

FIG. 1A

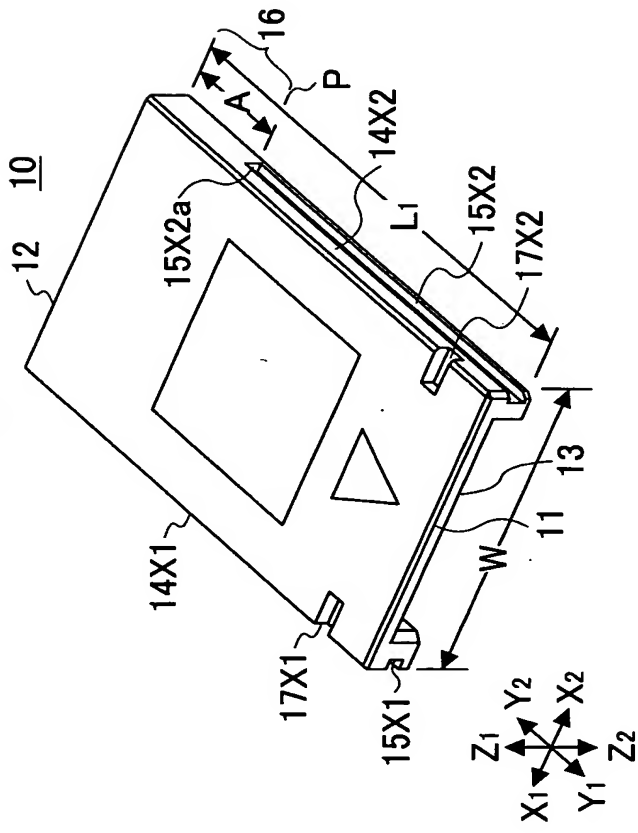


FIG. 1B

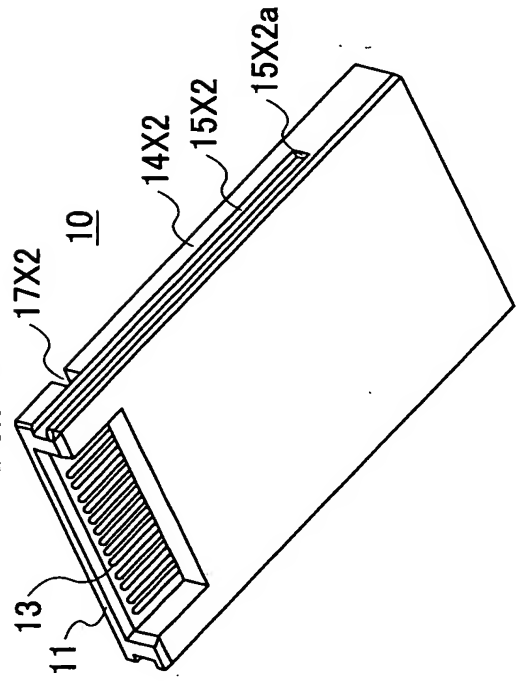


FIG. 1C

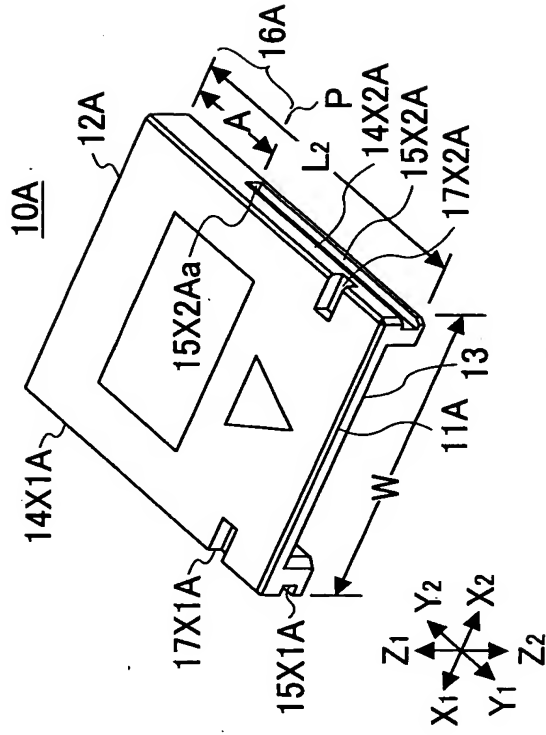


FIG. 1D

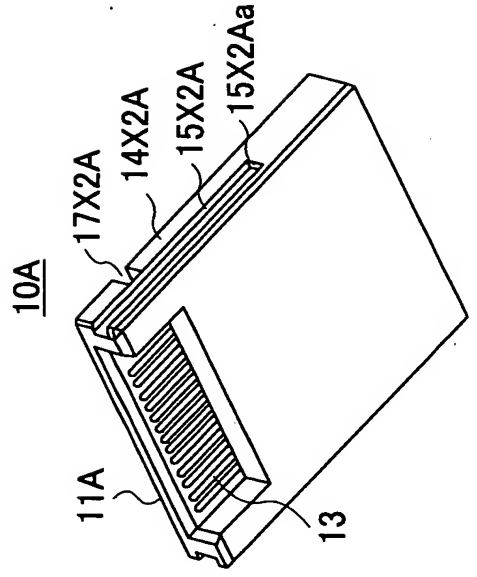


FIG. 2

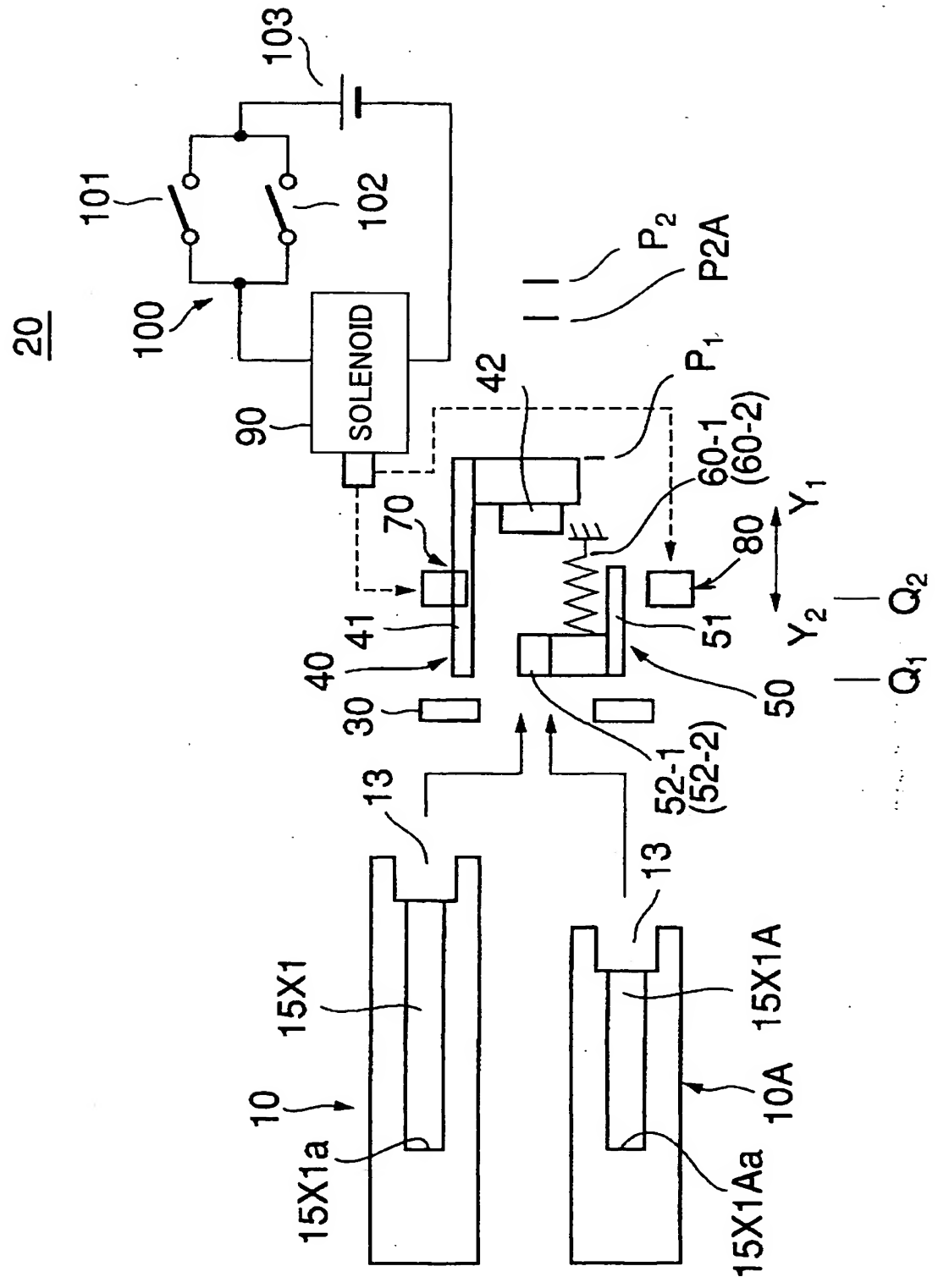


FIG.3A

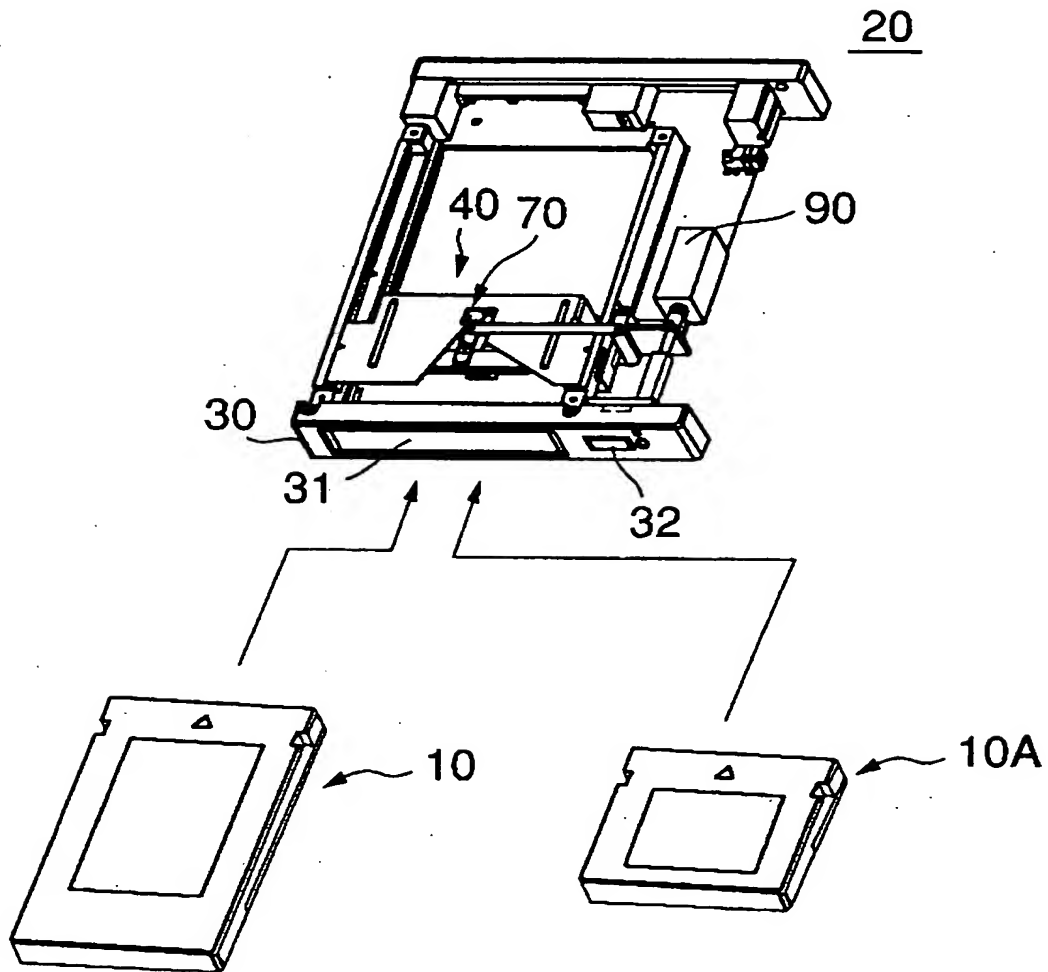


FIG.3B

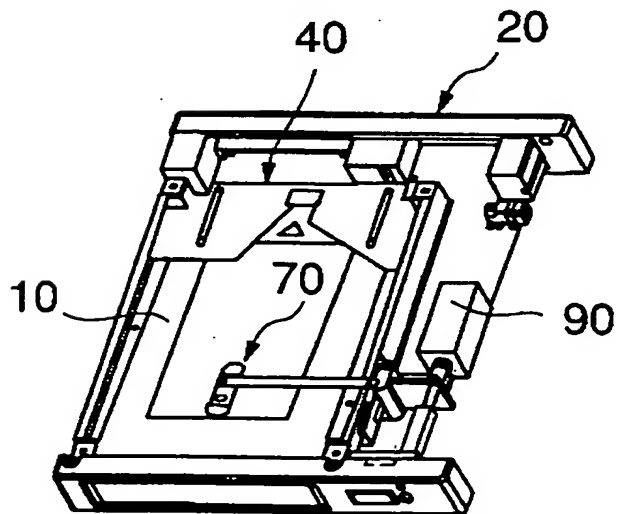
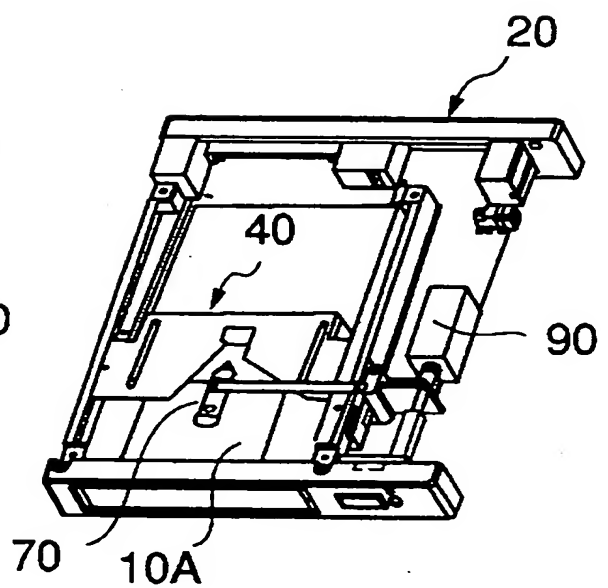
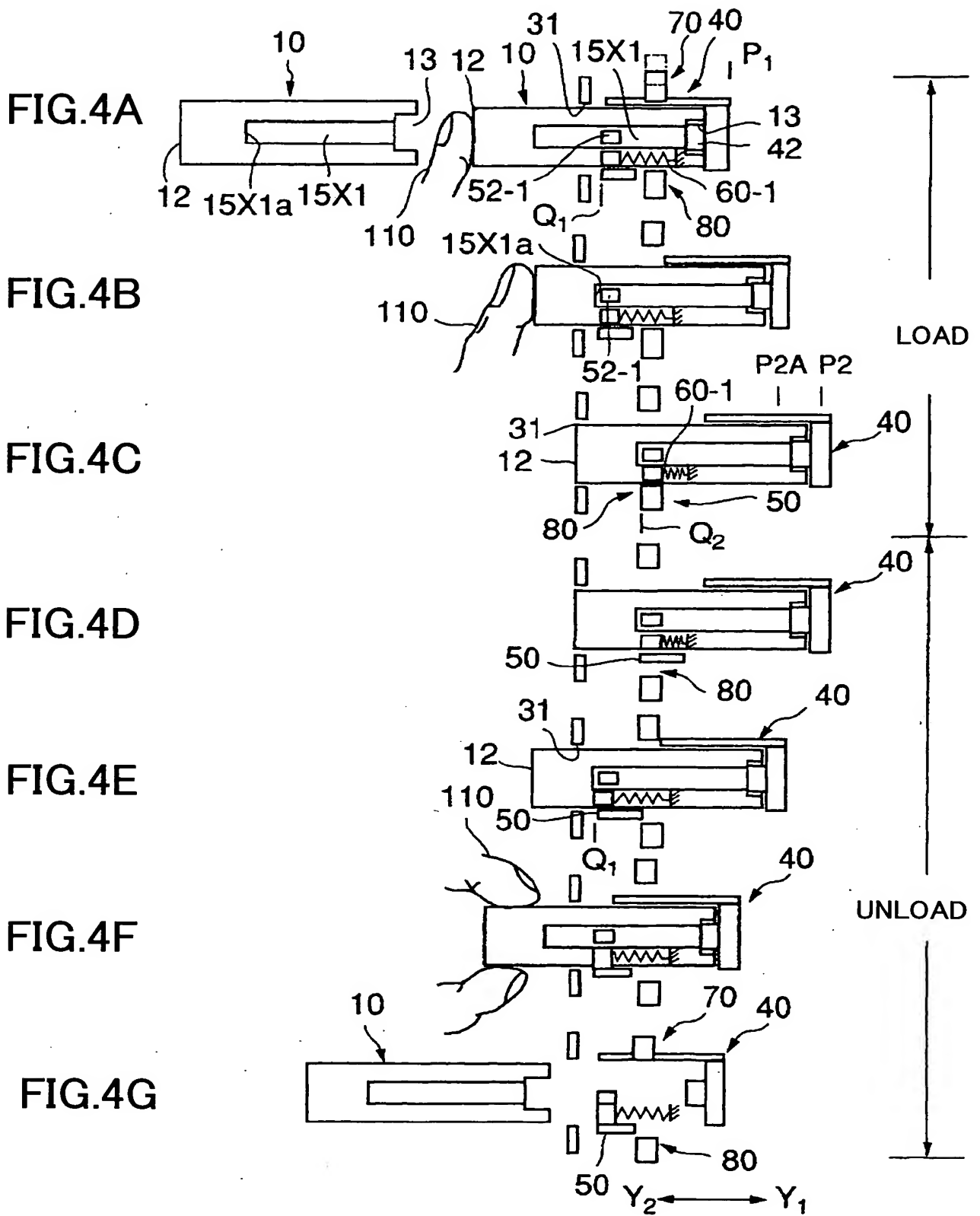


FIG.3C





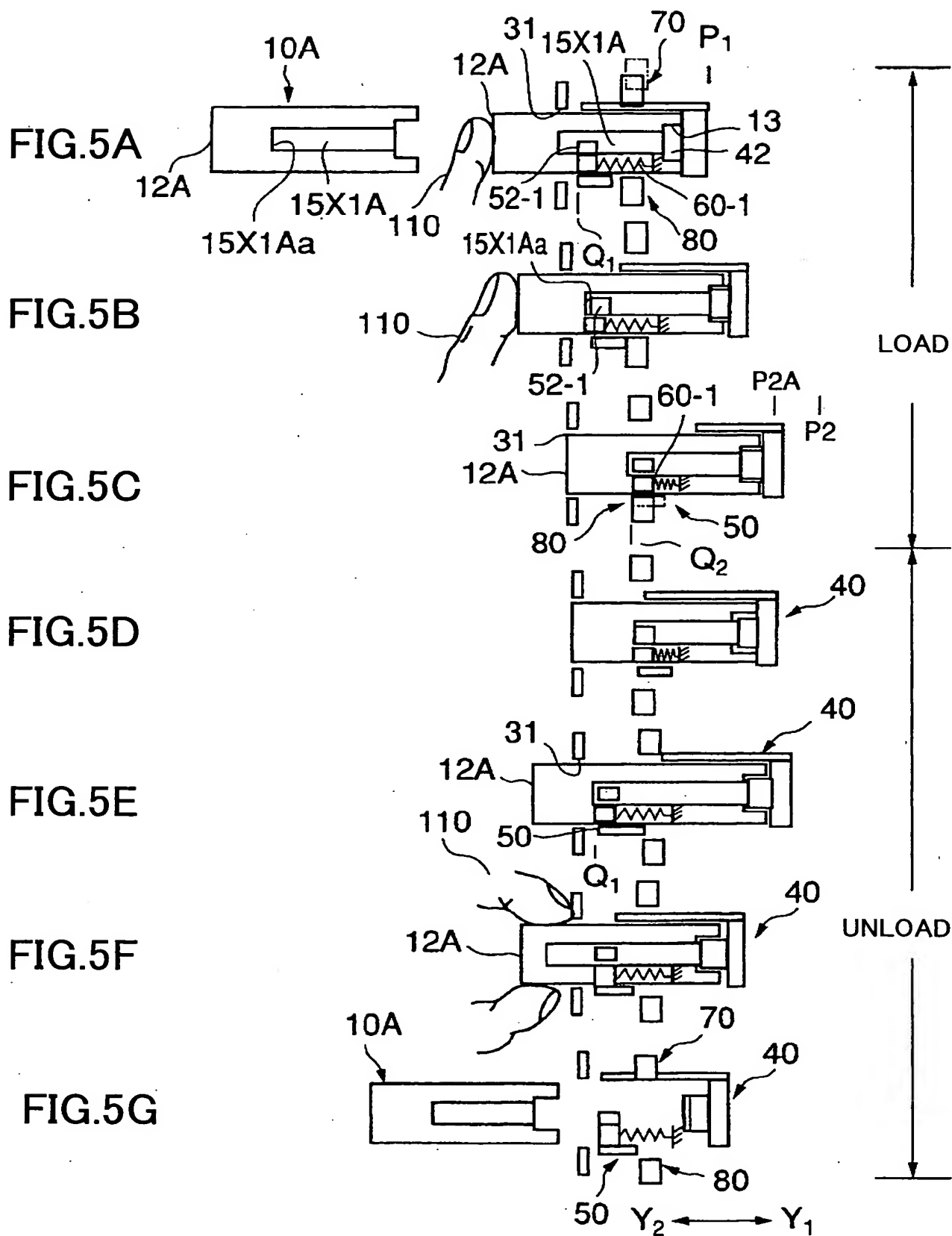


FIG.6

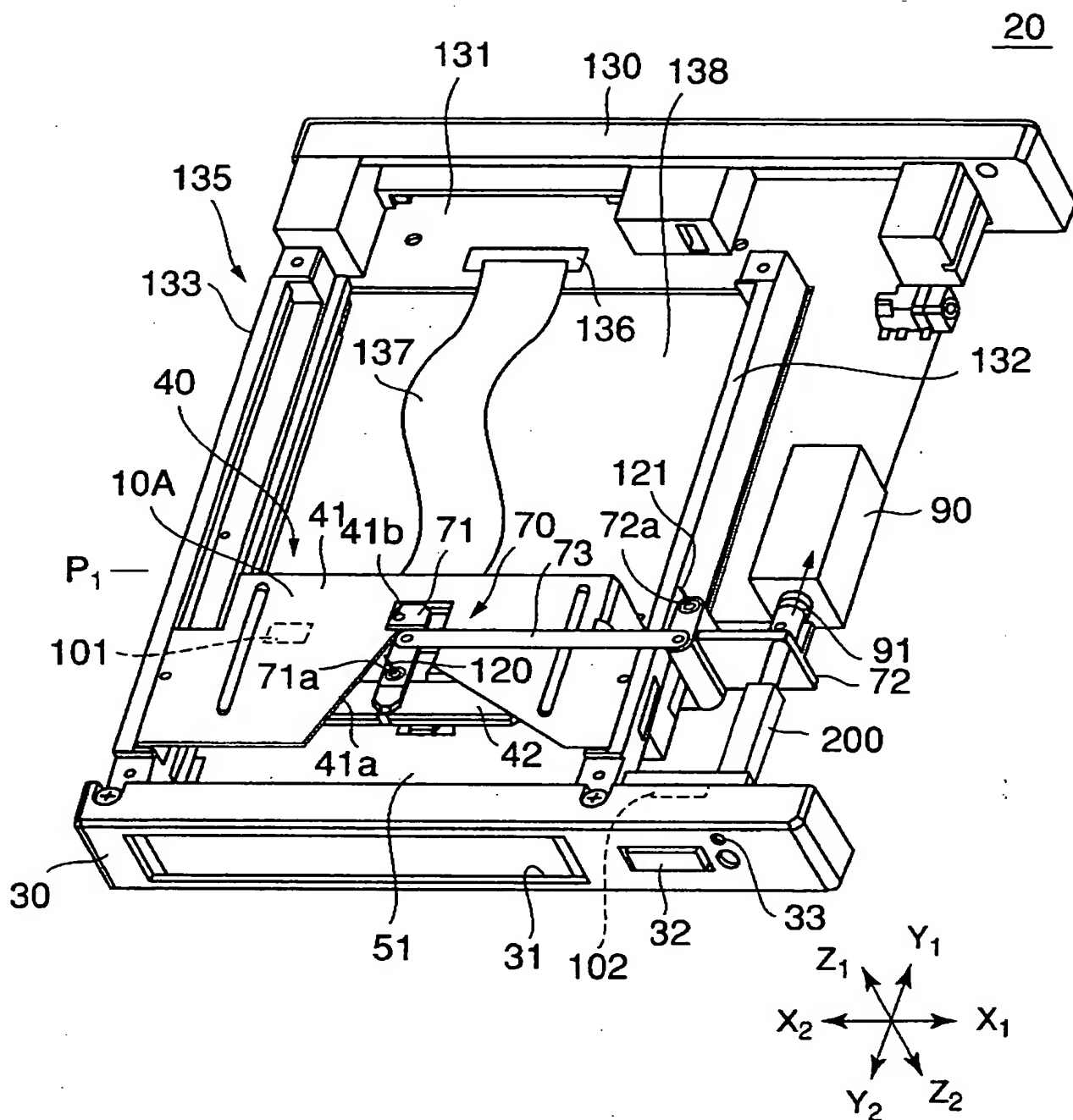


FIG.7

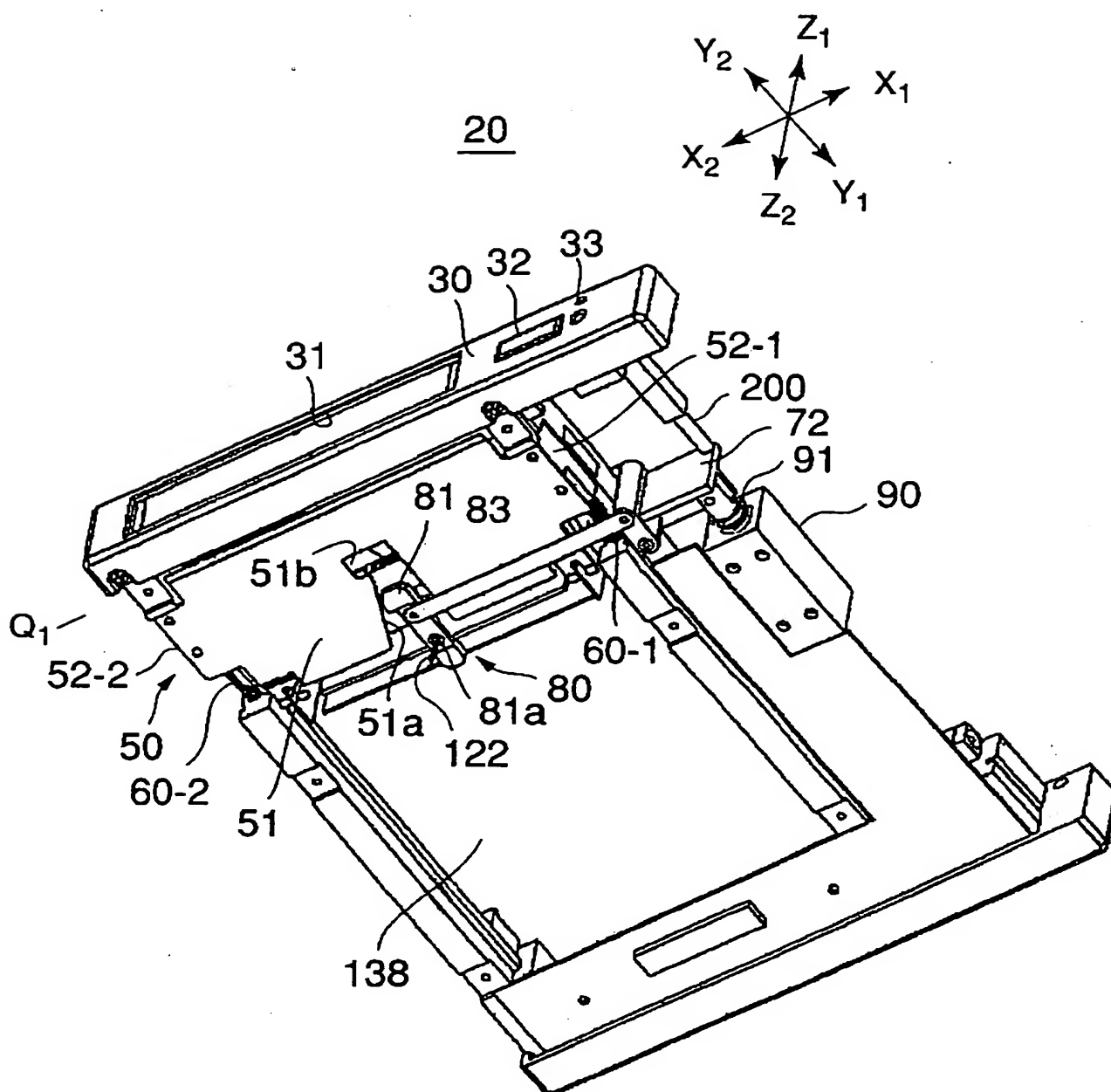


FIG.8A

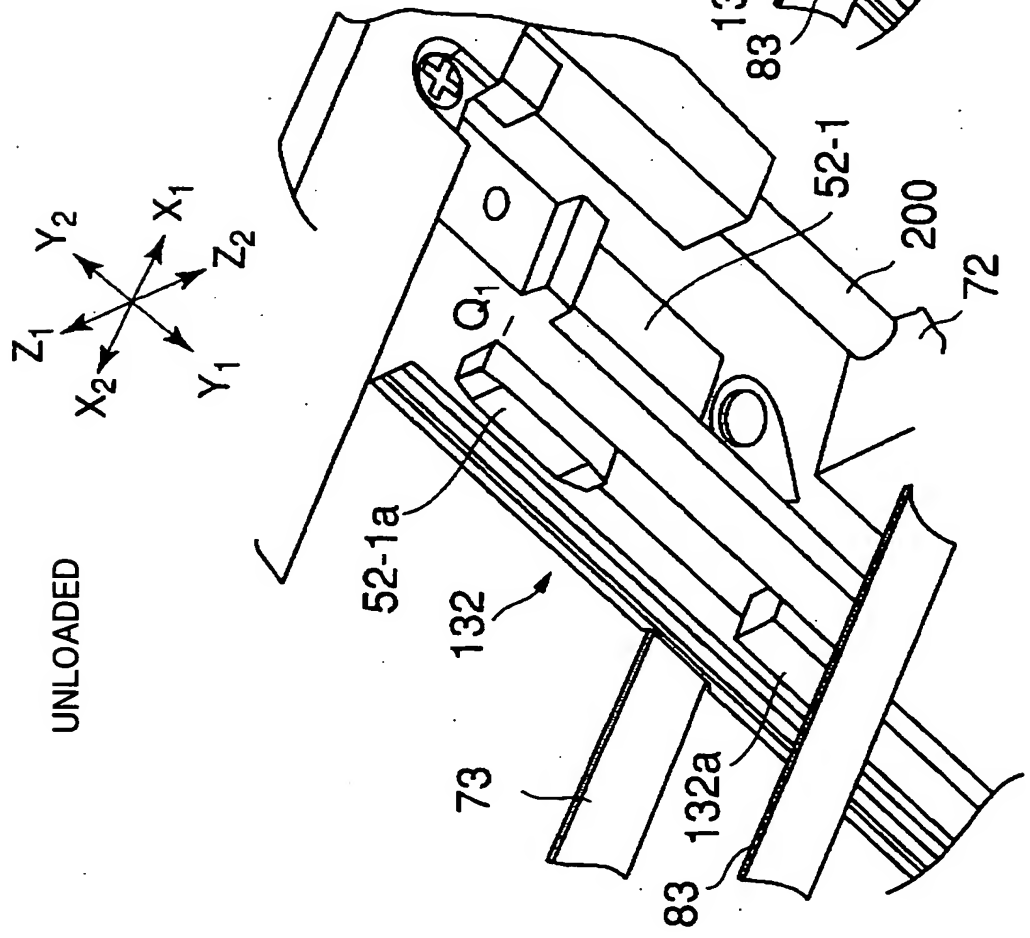


FIG.8B

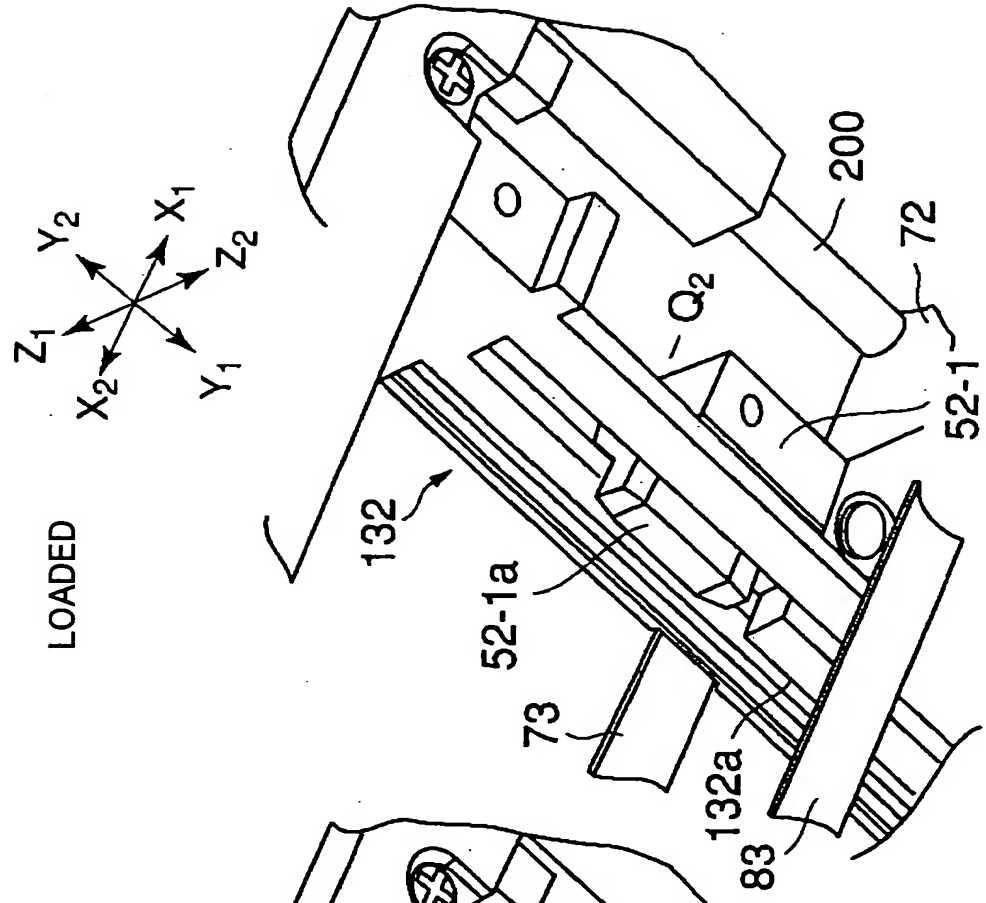


FIG. 9

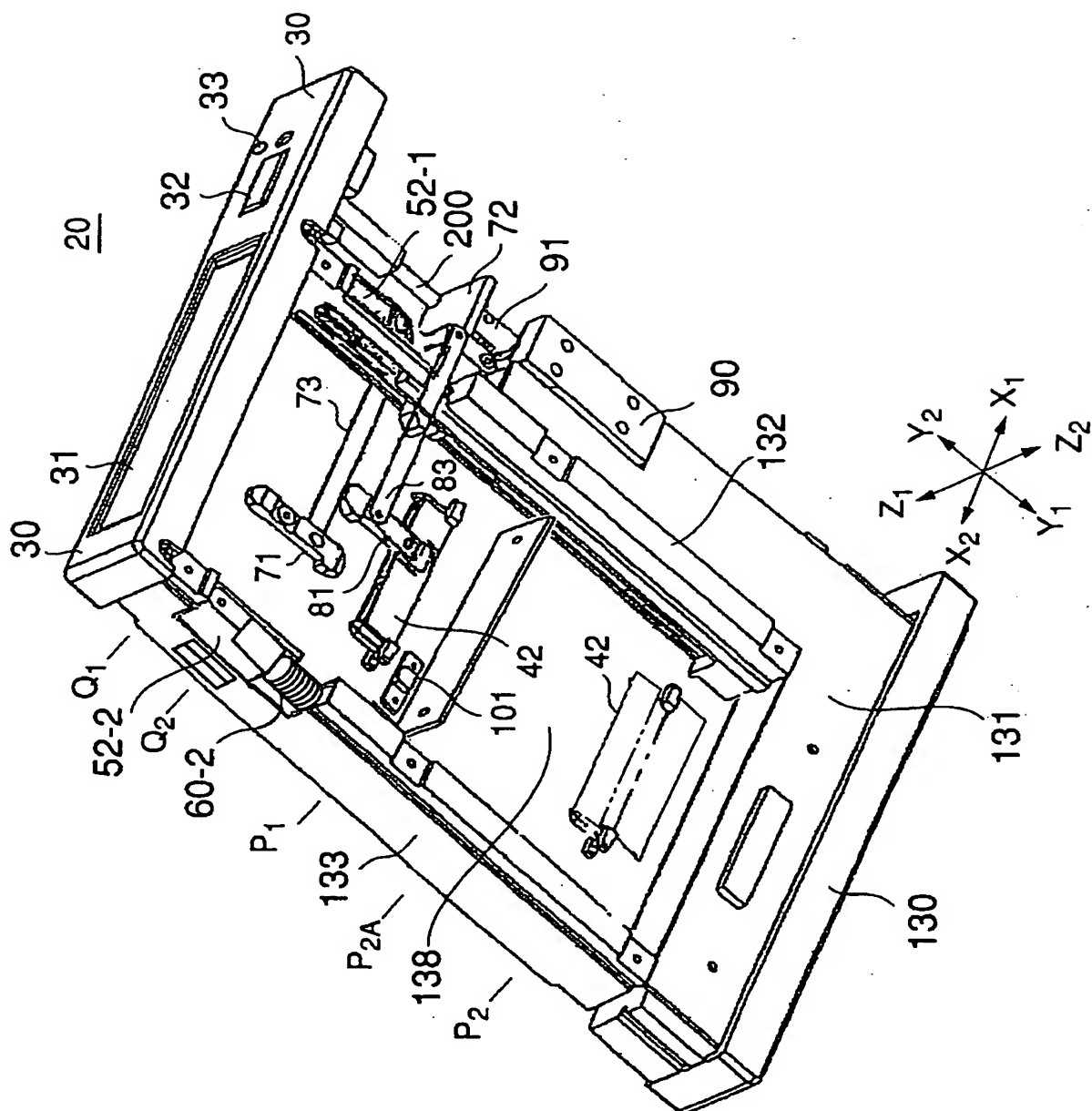


FIG.10

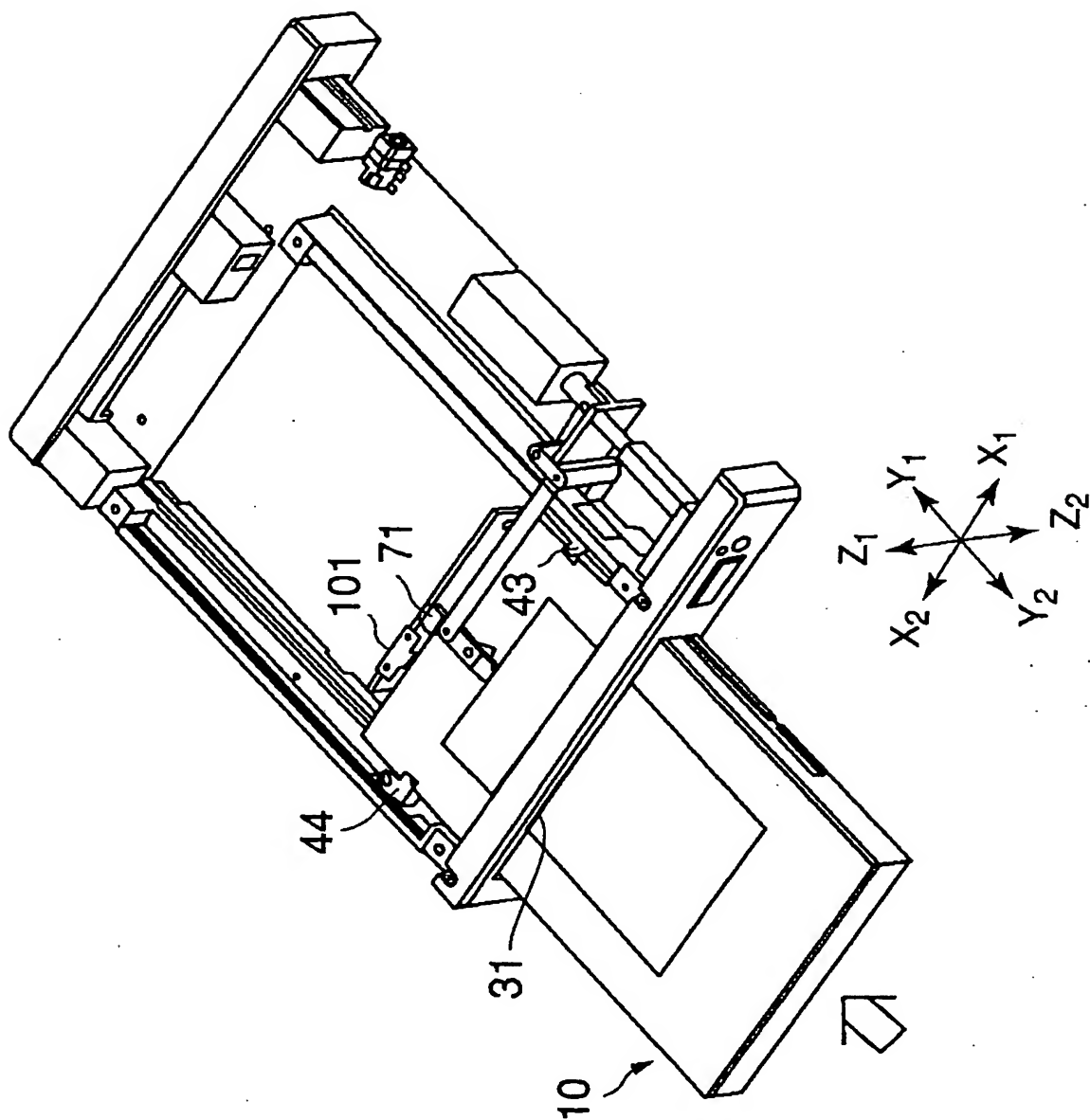


Fig. 1 is a perspective view of a mechanical assembly 10. The assembly includes a base frame with a central pivot mechanism 81. A rectangular plate 60-1 is mounted on the pivot, and another rectangular plate 60-2 is mounted on the base frame. A coordinate system is shown in the upper right corner with axes X_1 , Y_1 , Z_1 , X_2 , Y_2 , and Z_2 .

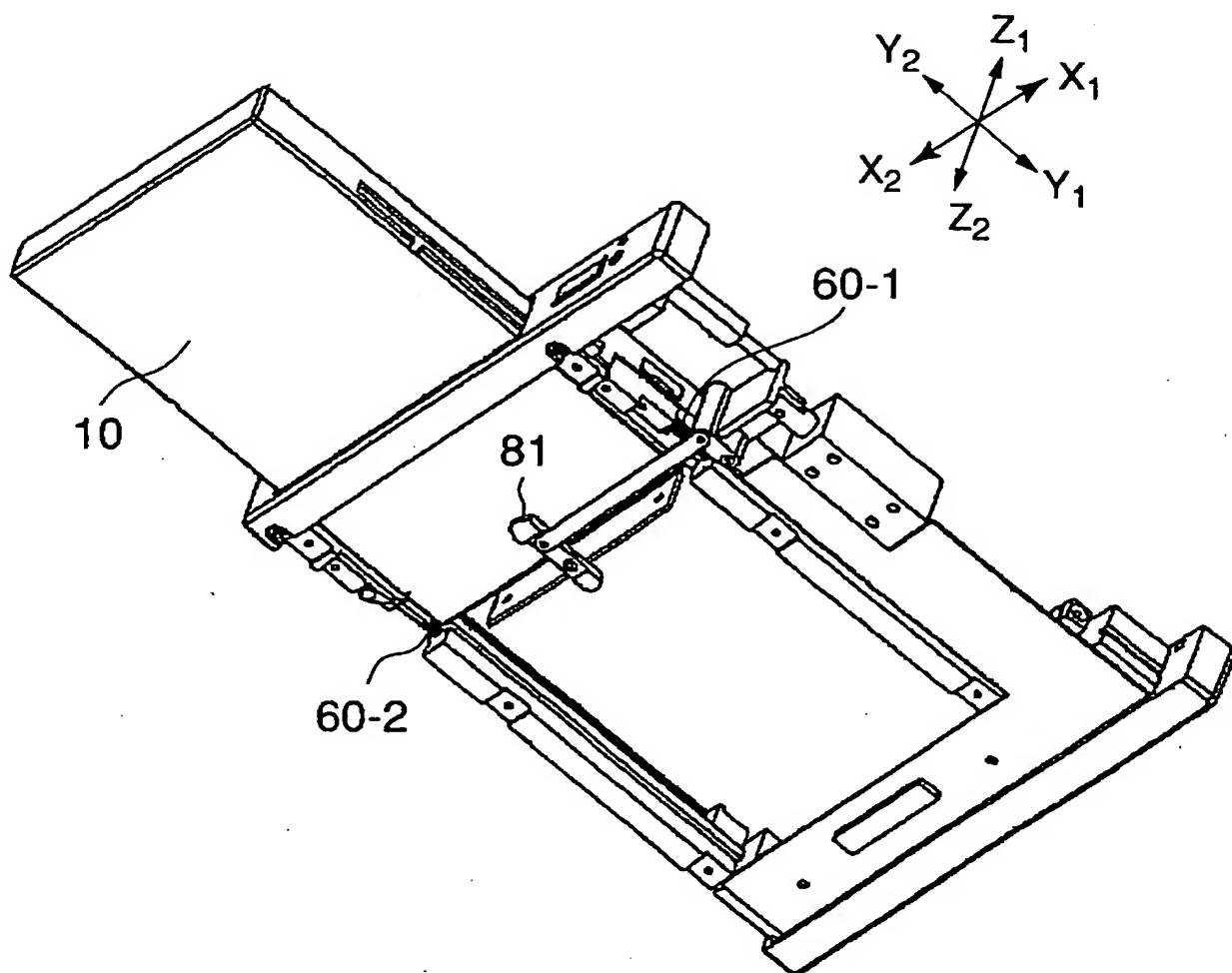


FIG.12

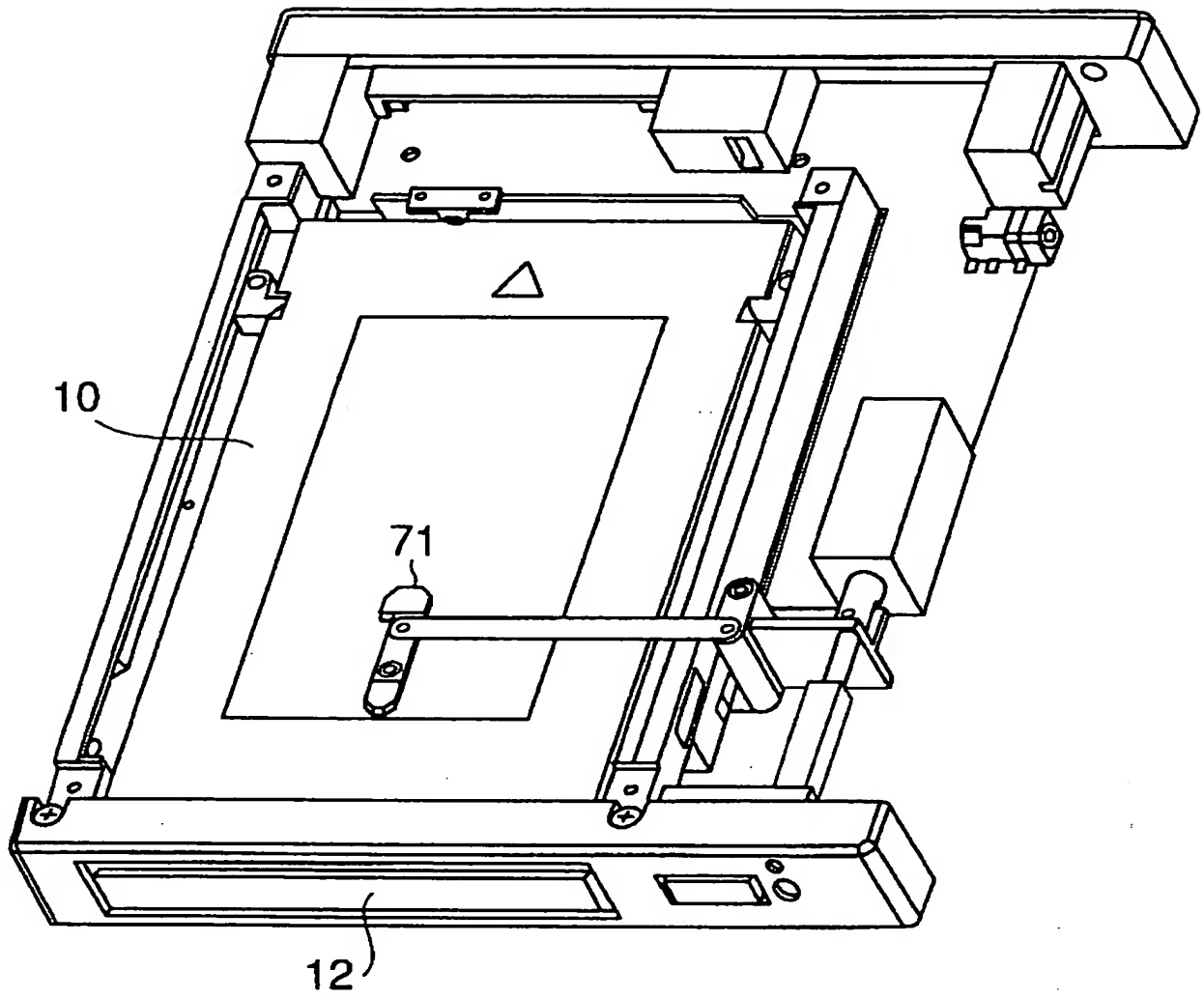


FIG.13

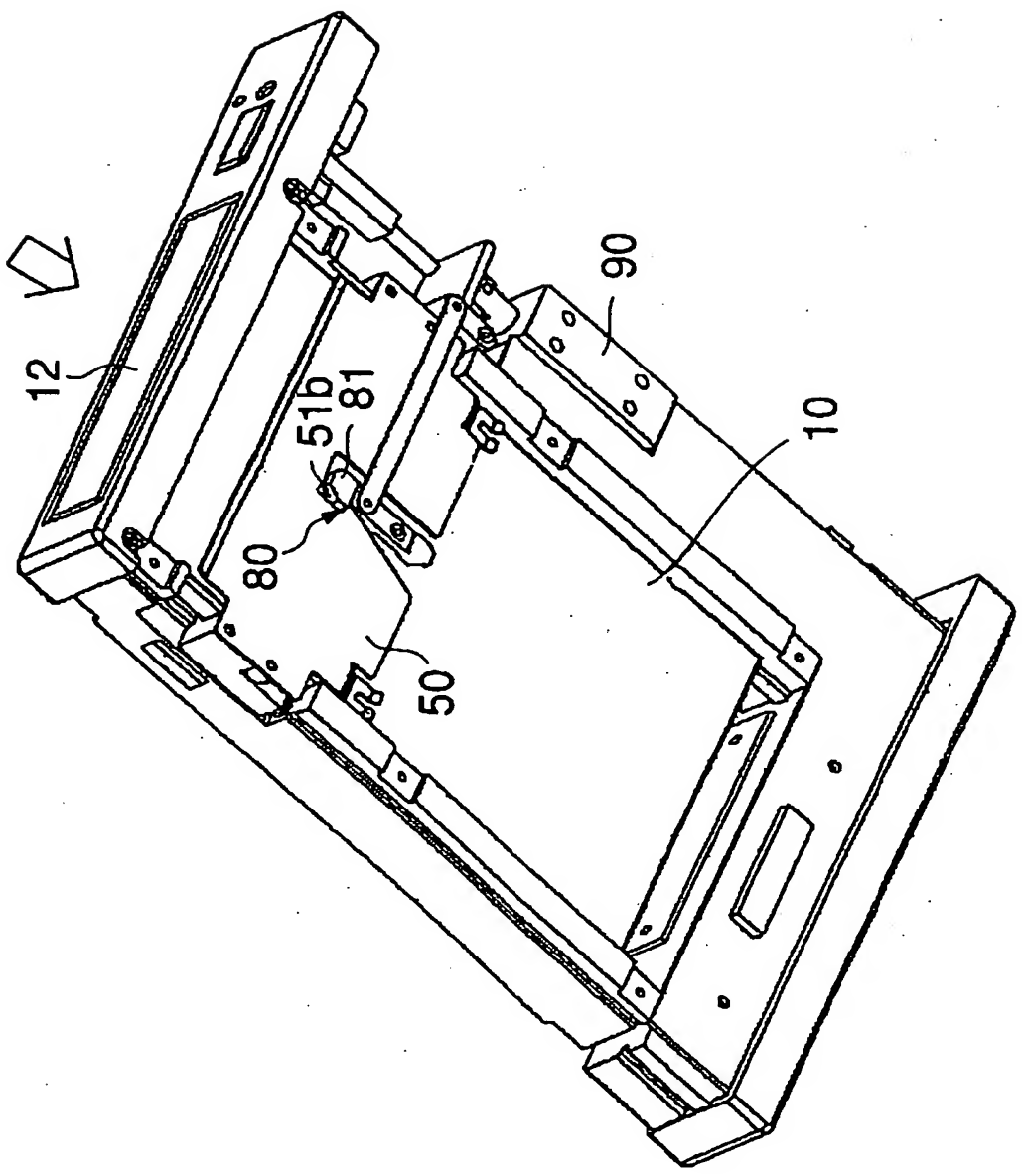


FIG.14

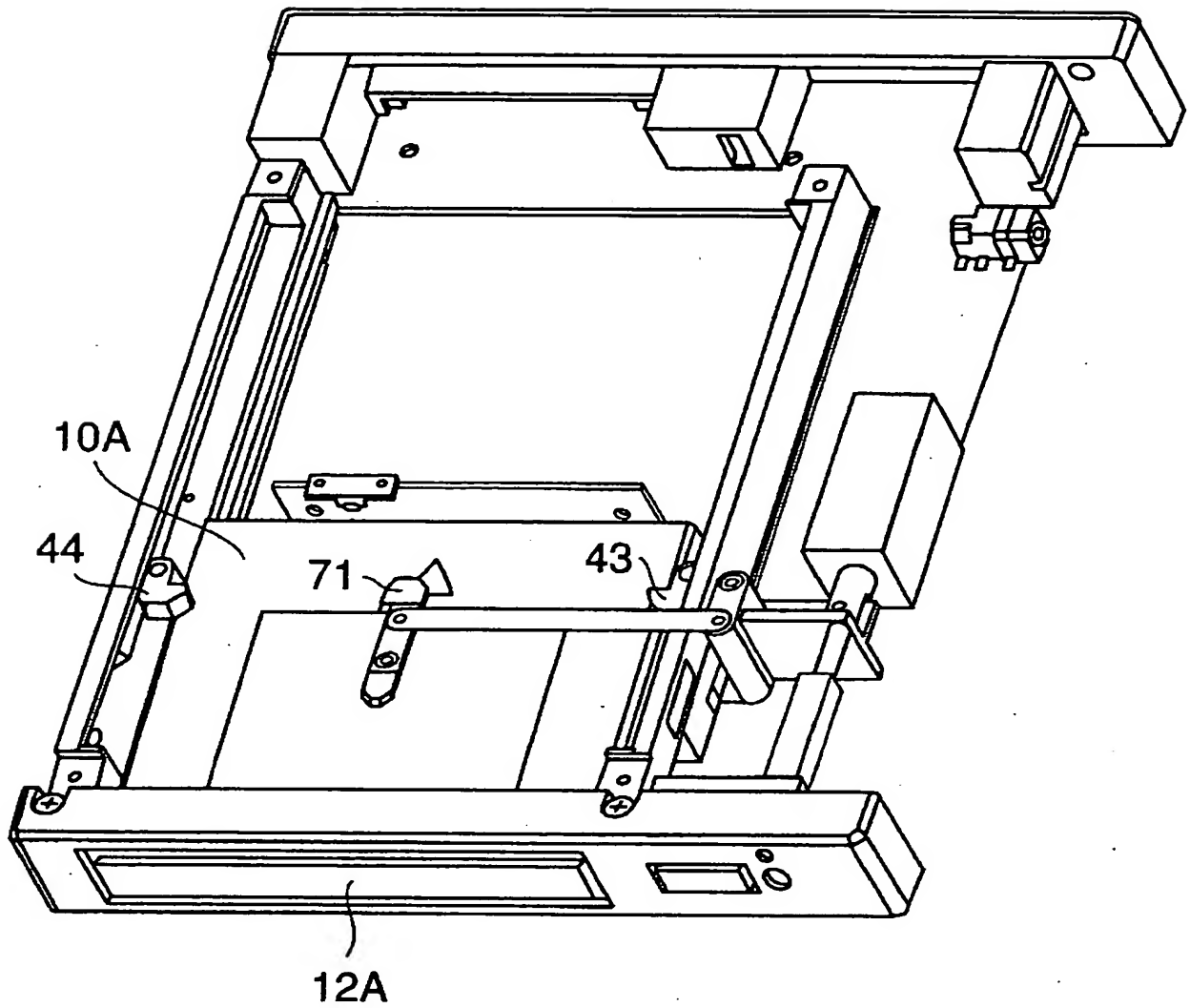


FIG.15

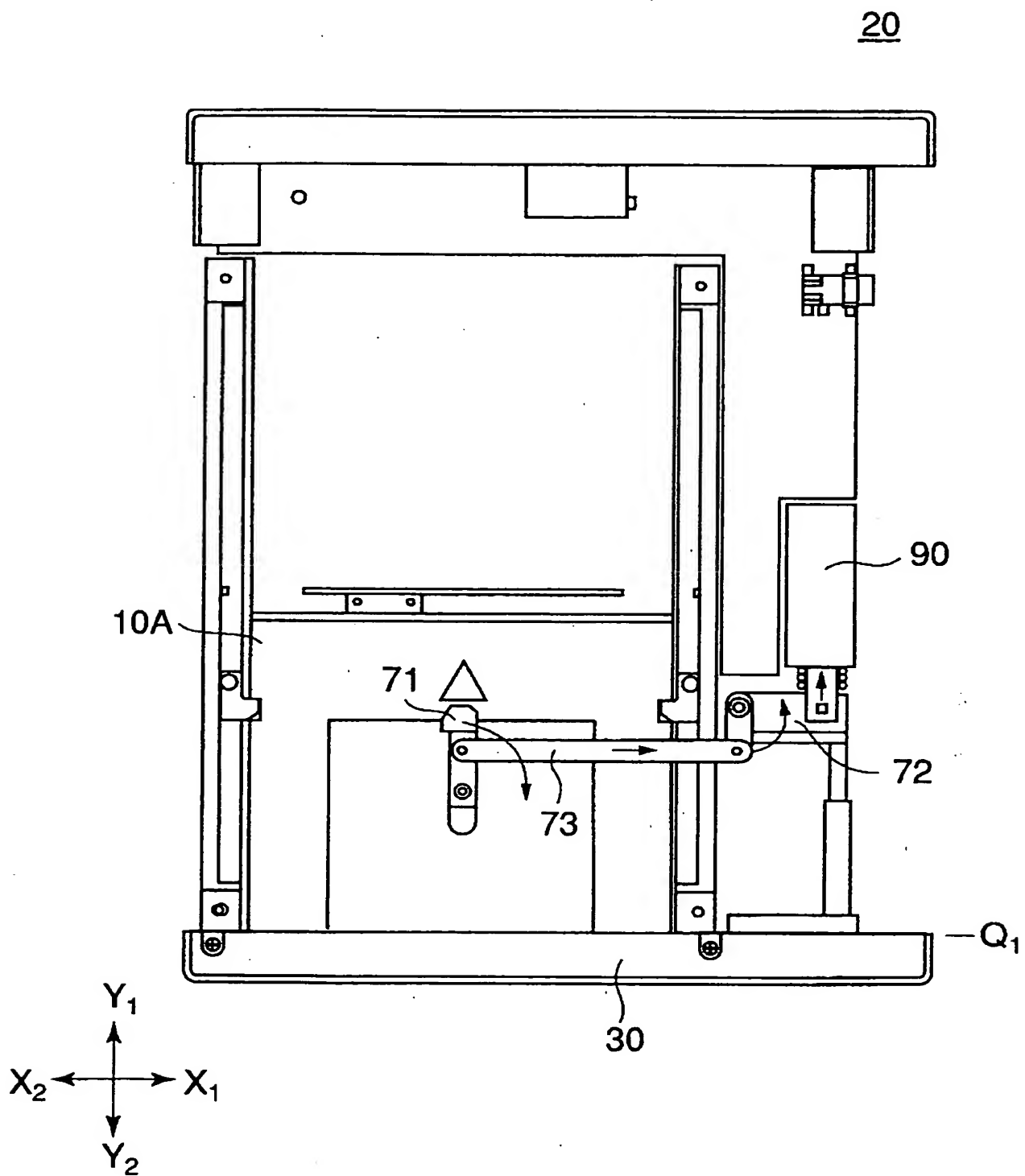


FIG.16

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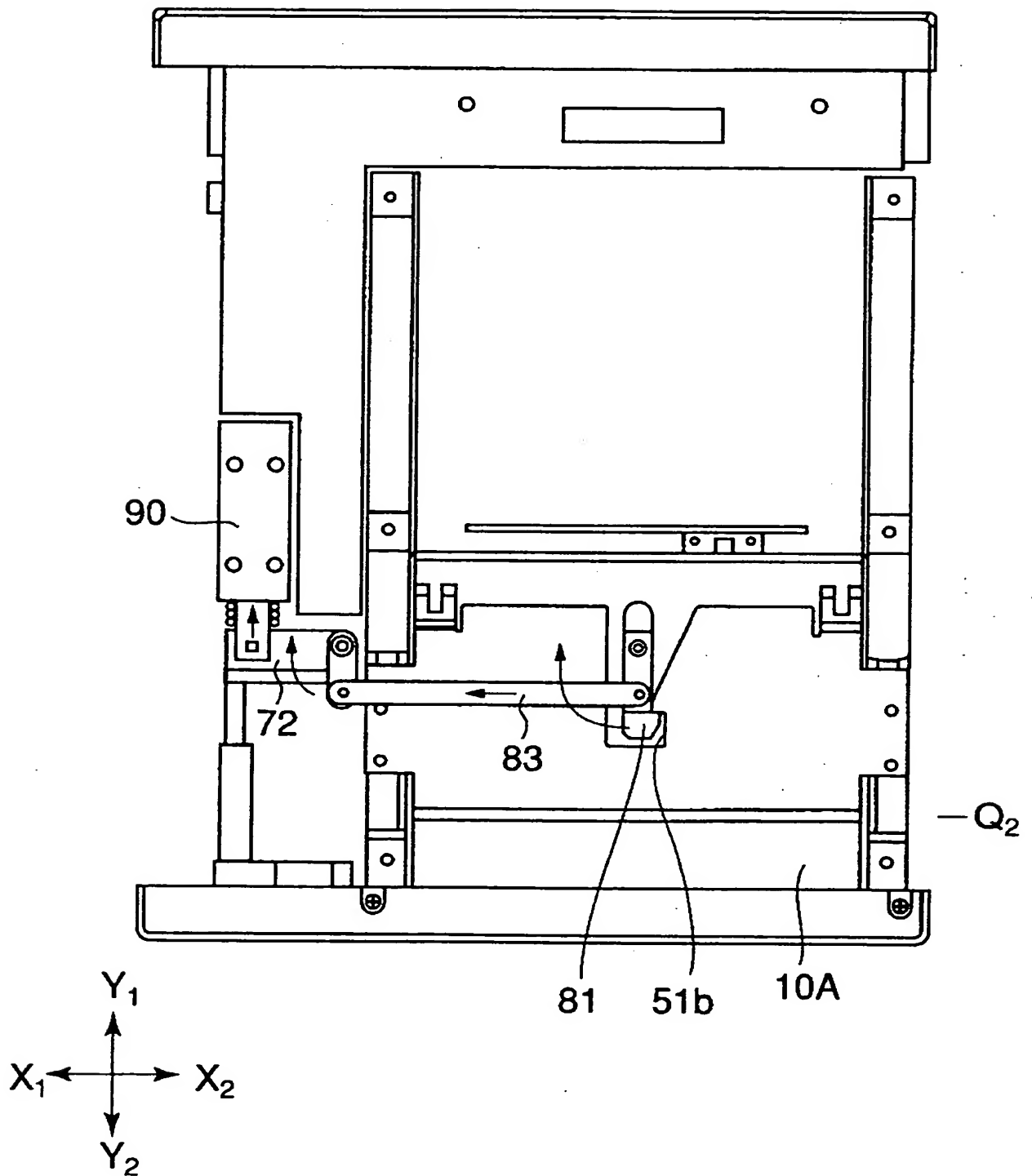


FIG.17

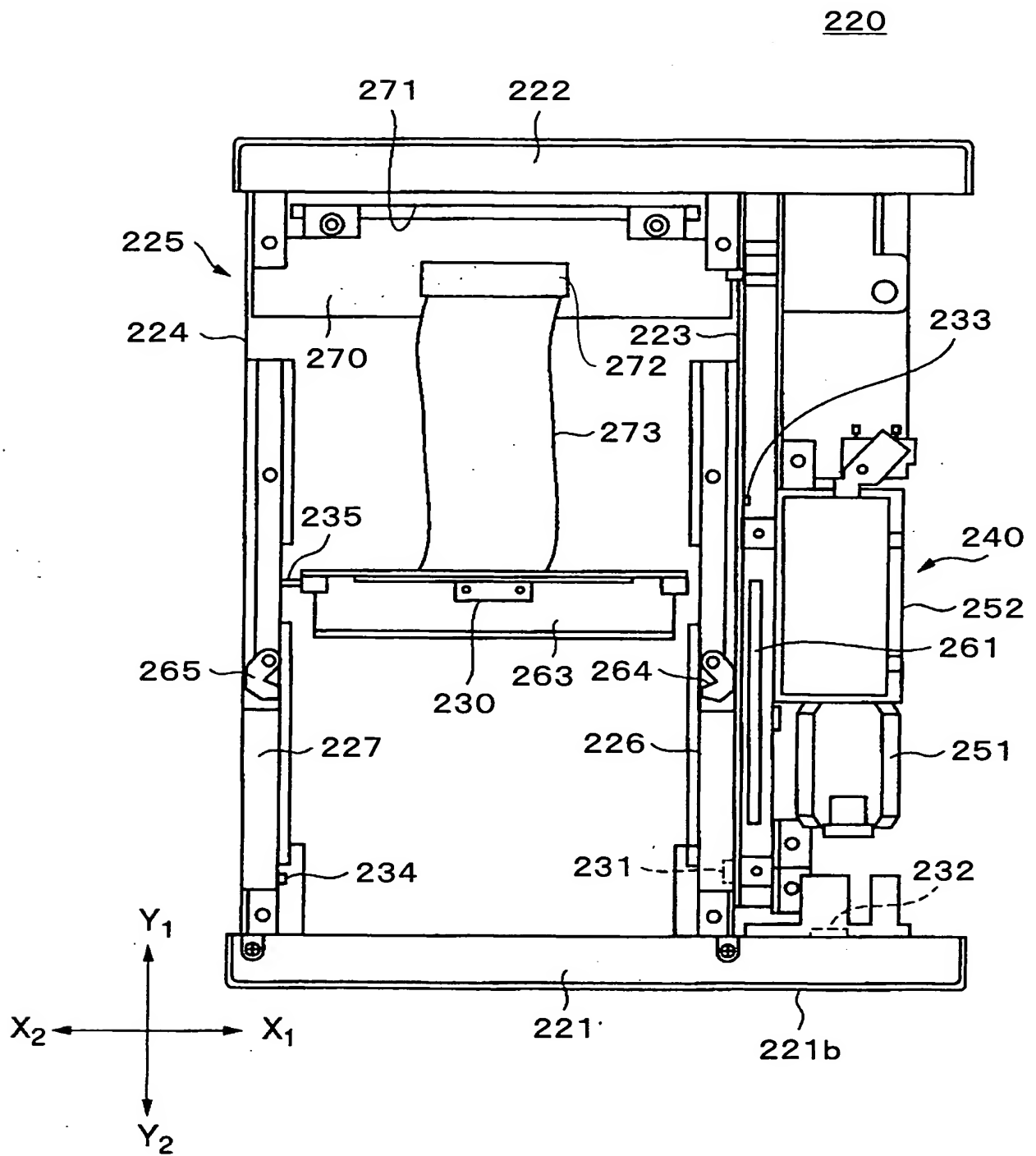


FIG.18

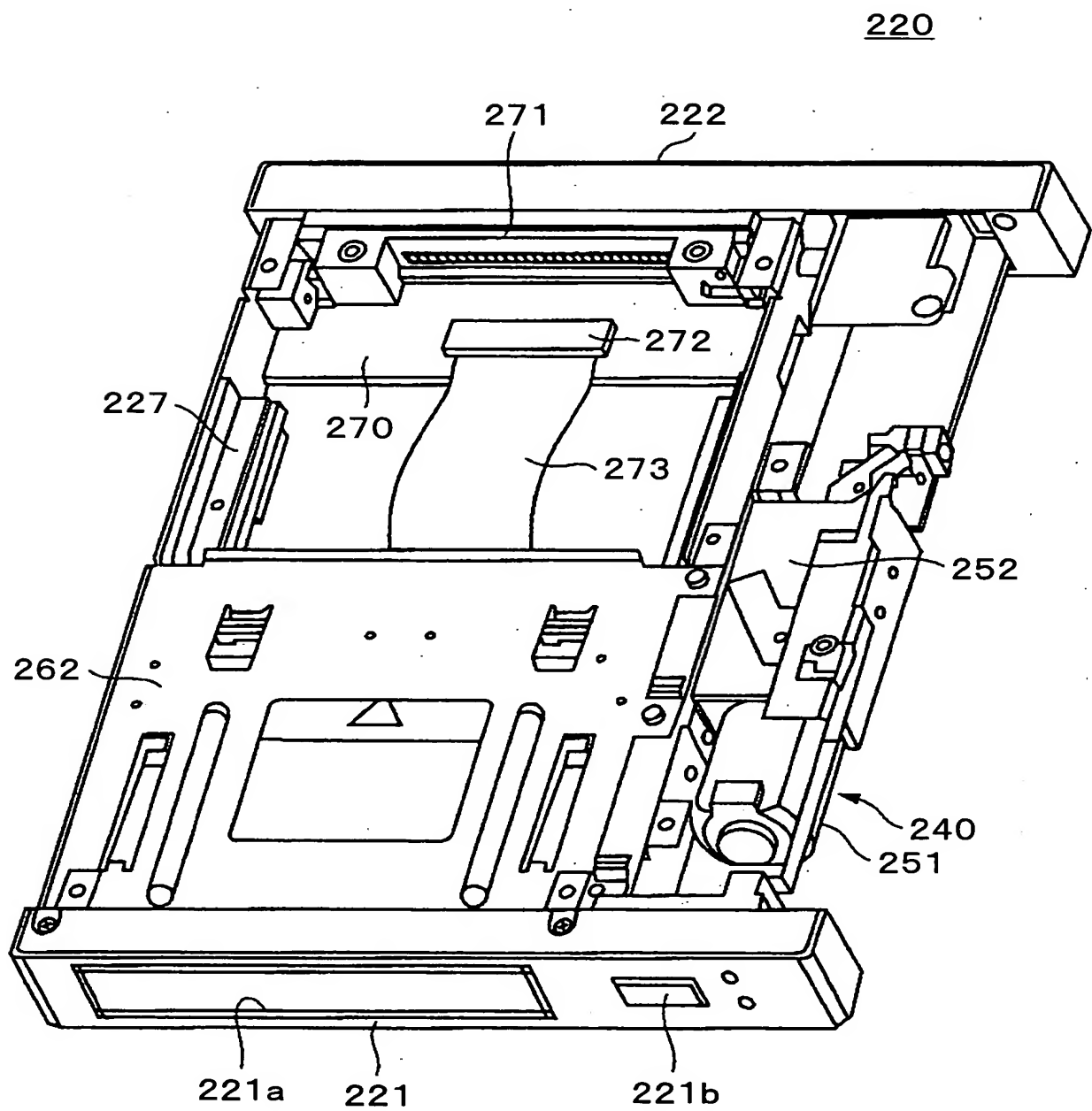


FIG.19

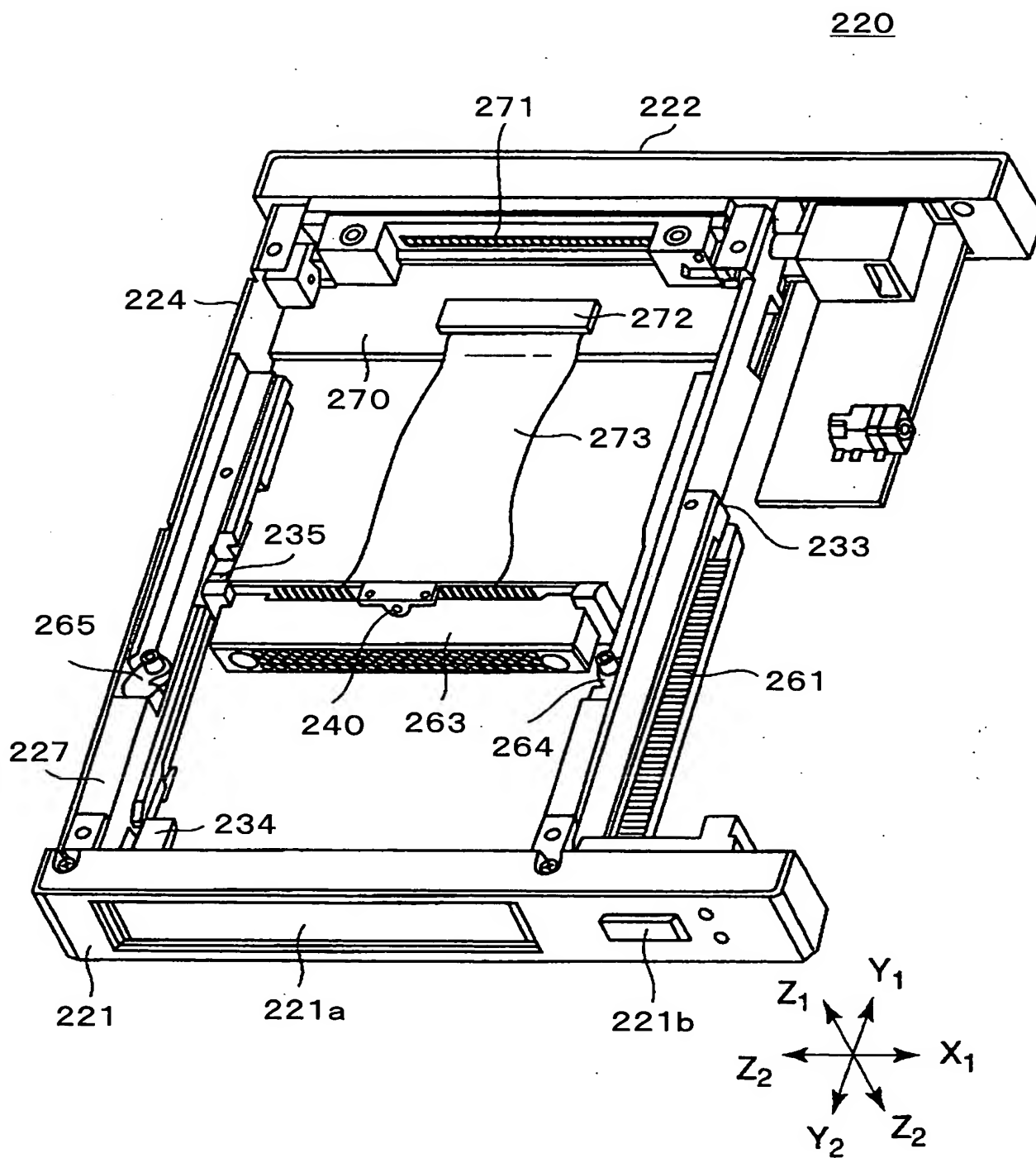


FIG.20

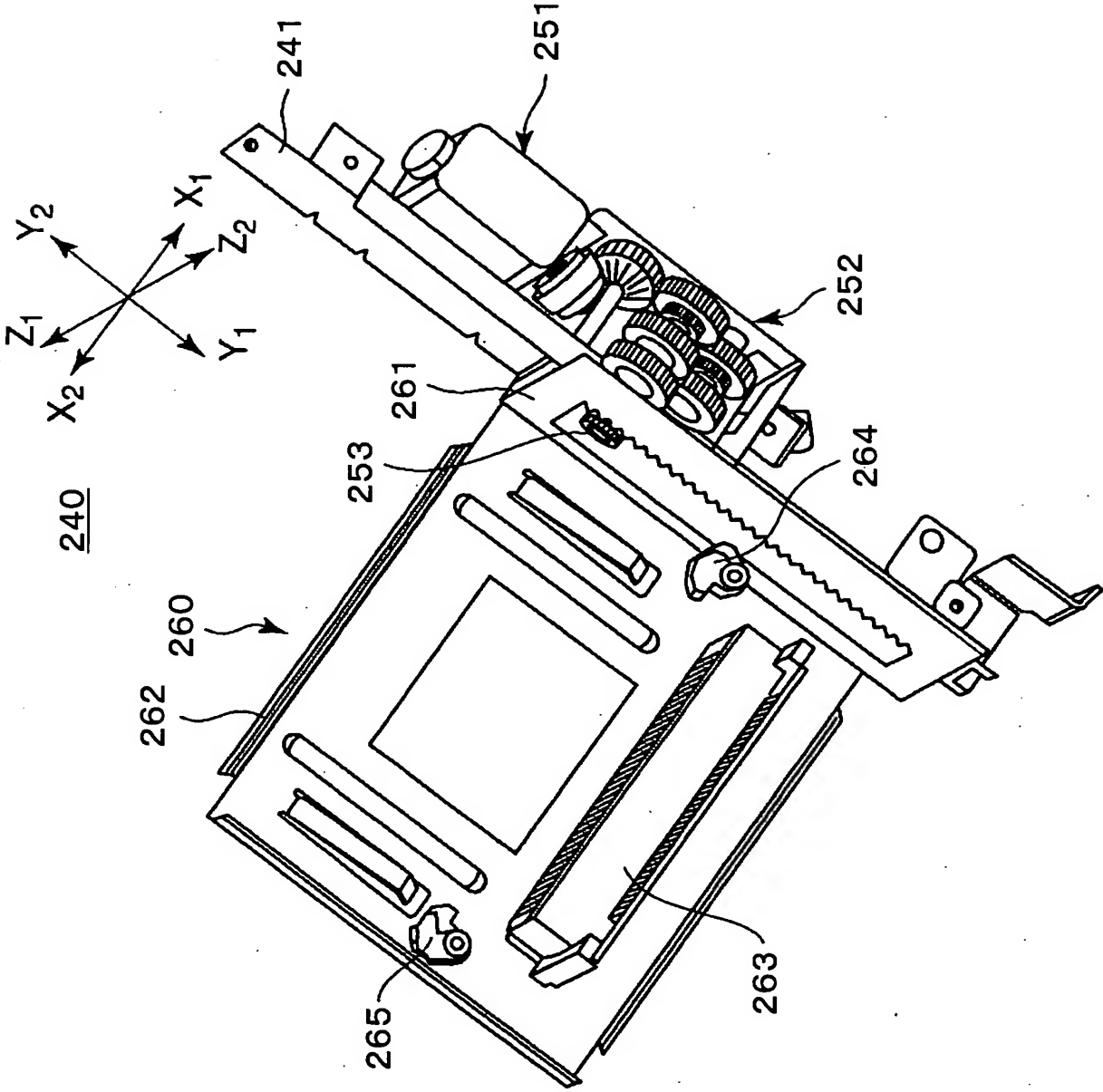


FIG.21

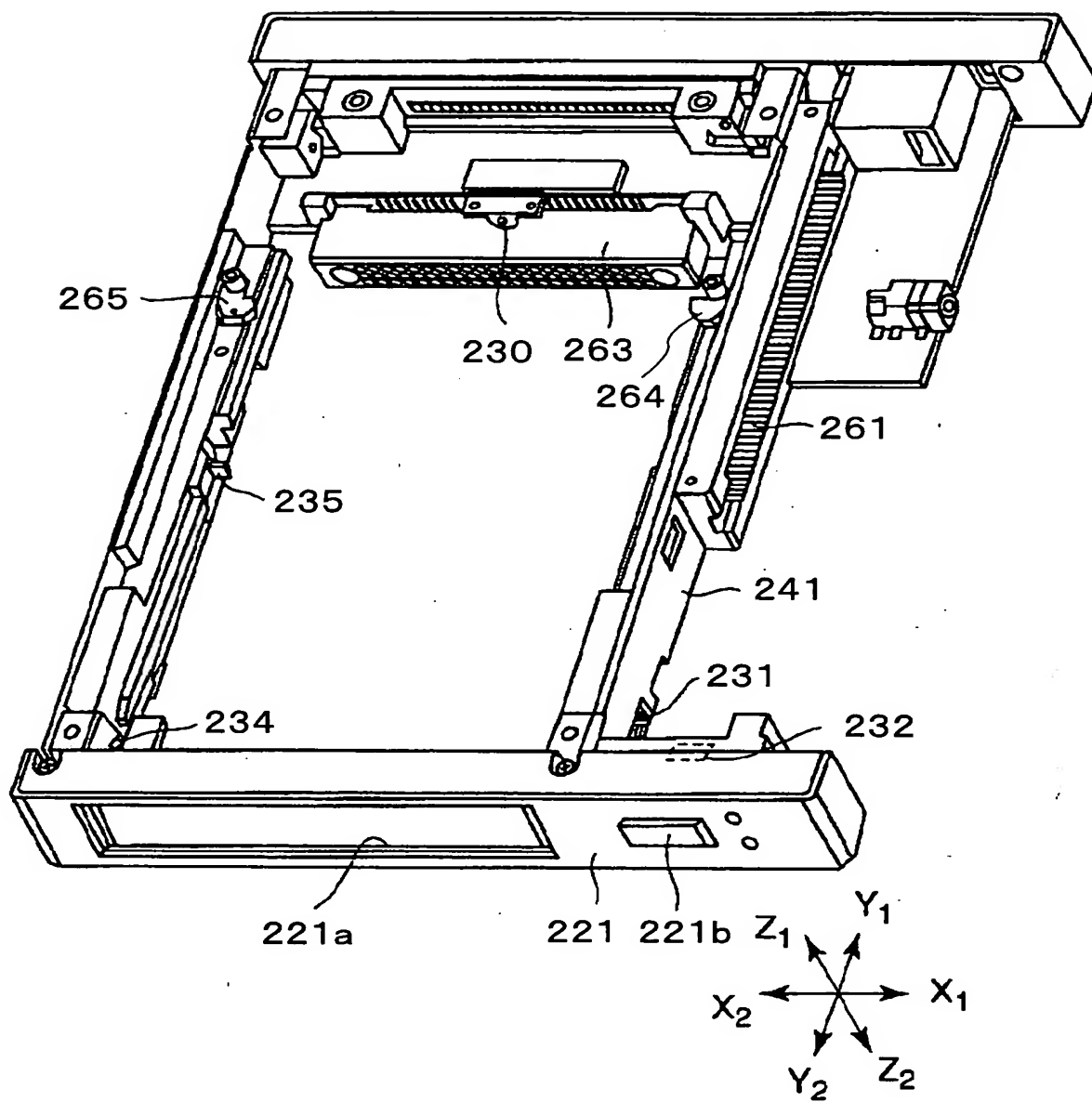


FIG.22

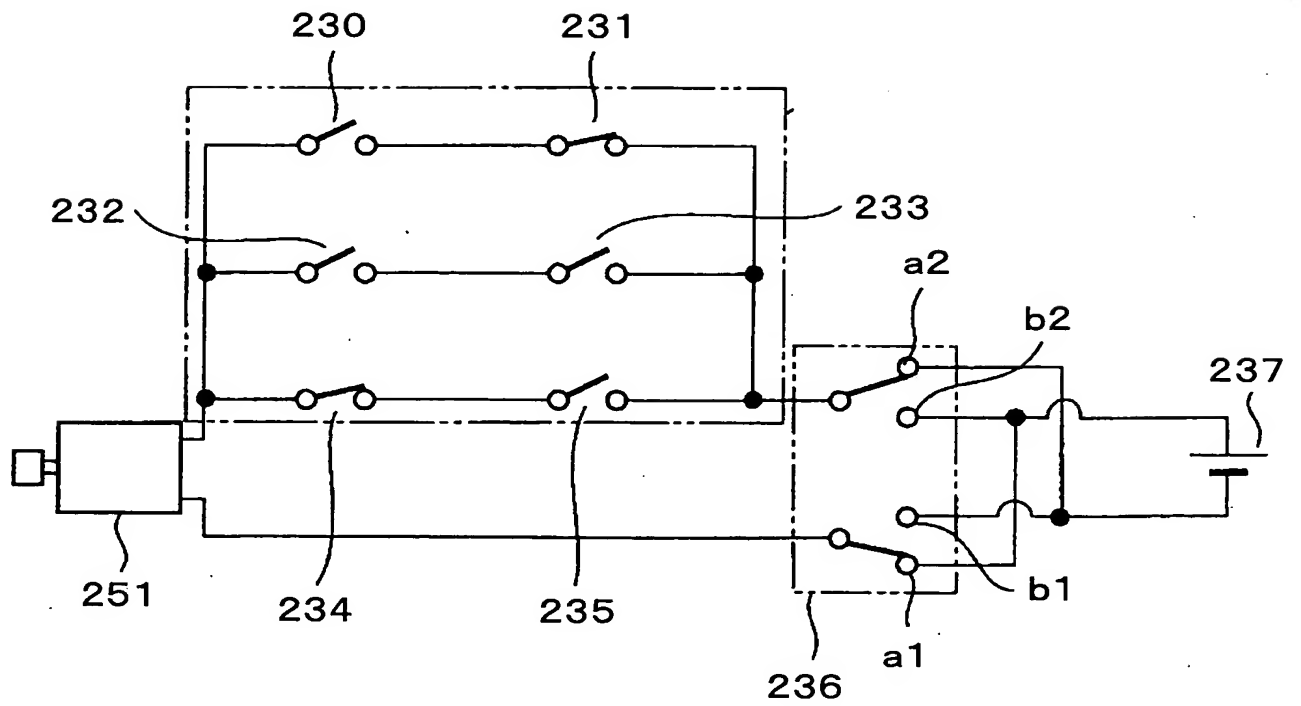


FIG.23A

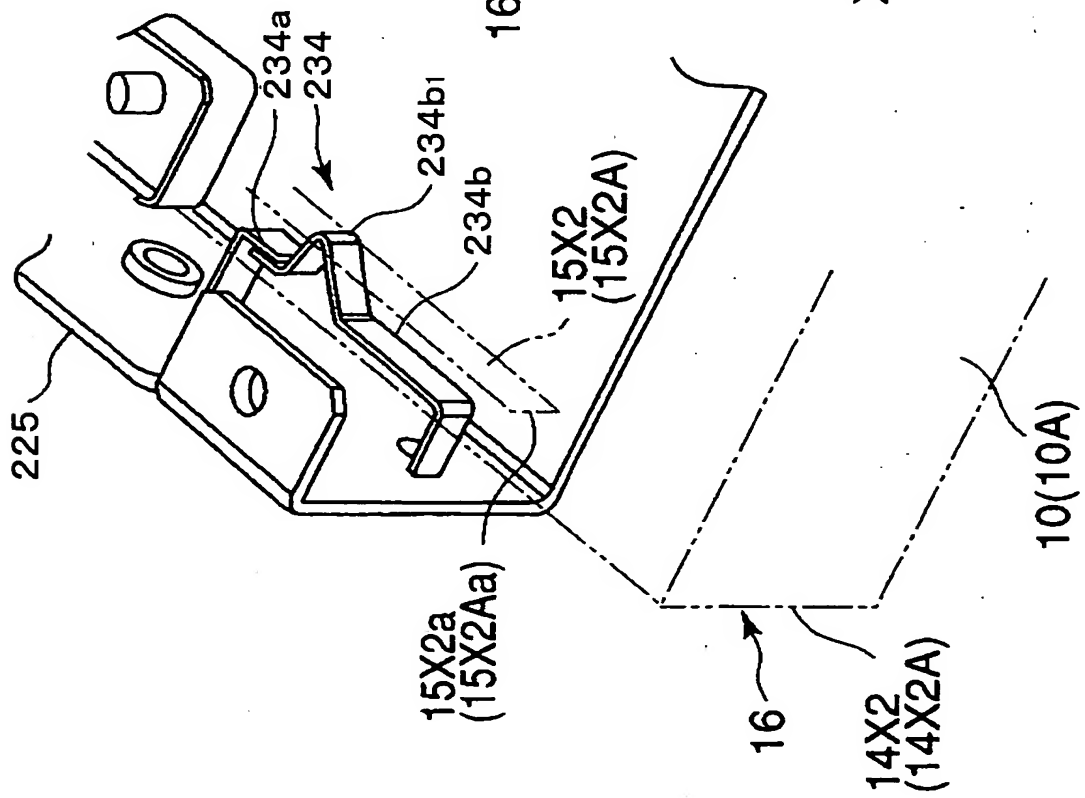
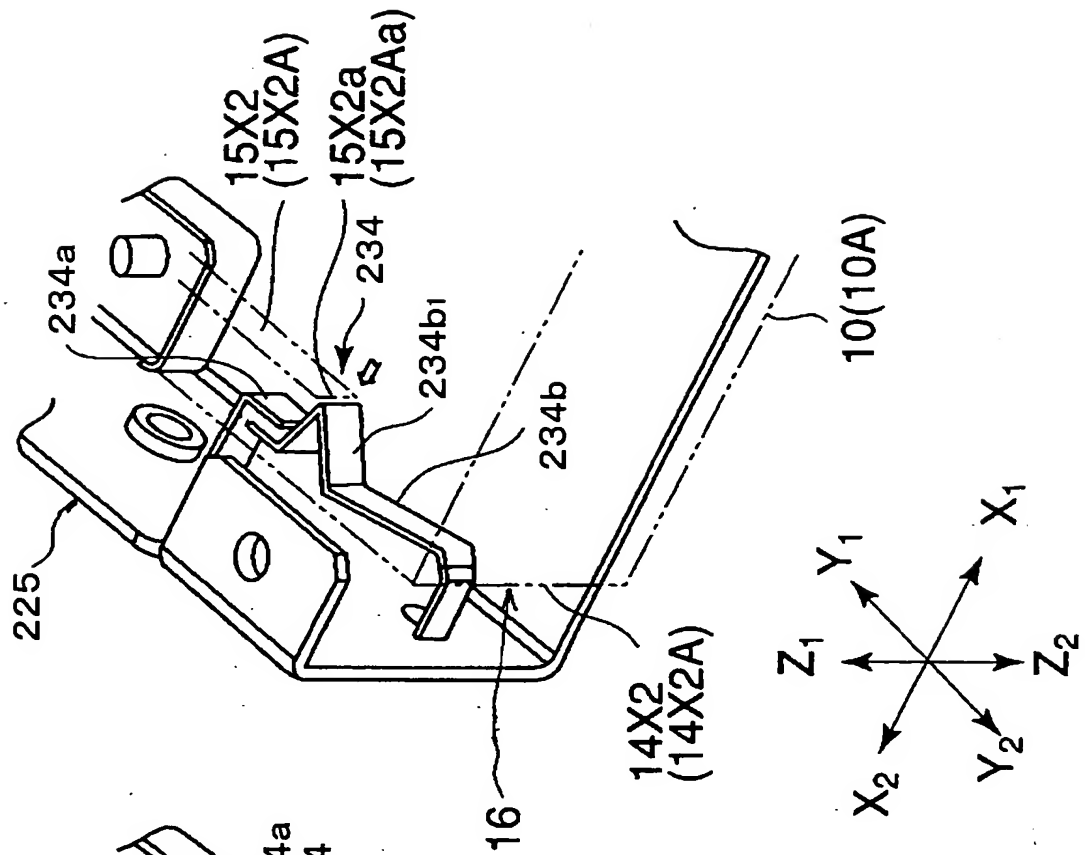
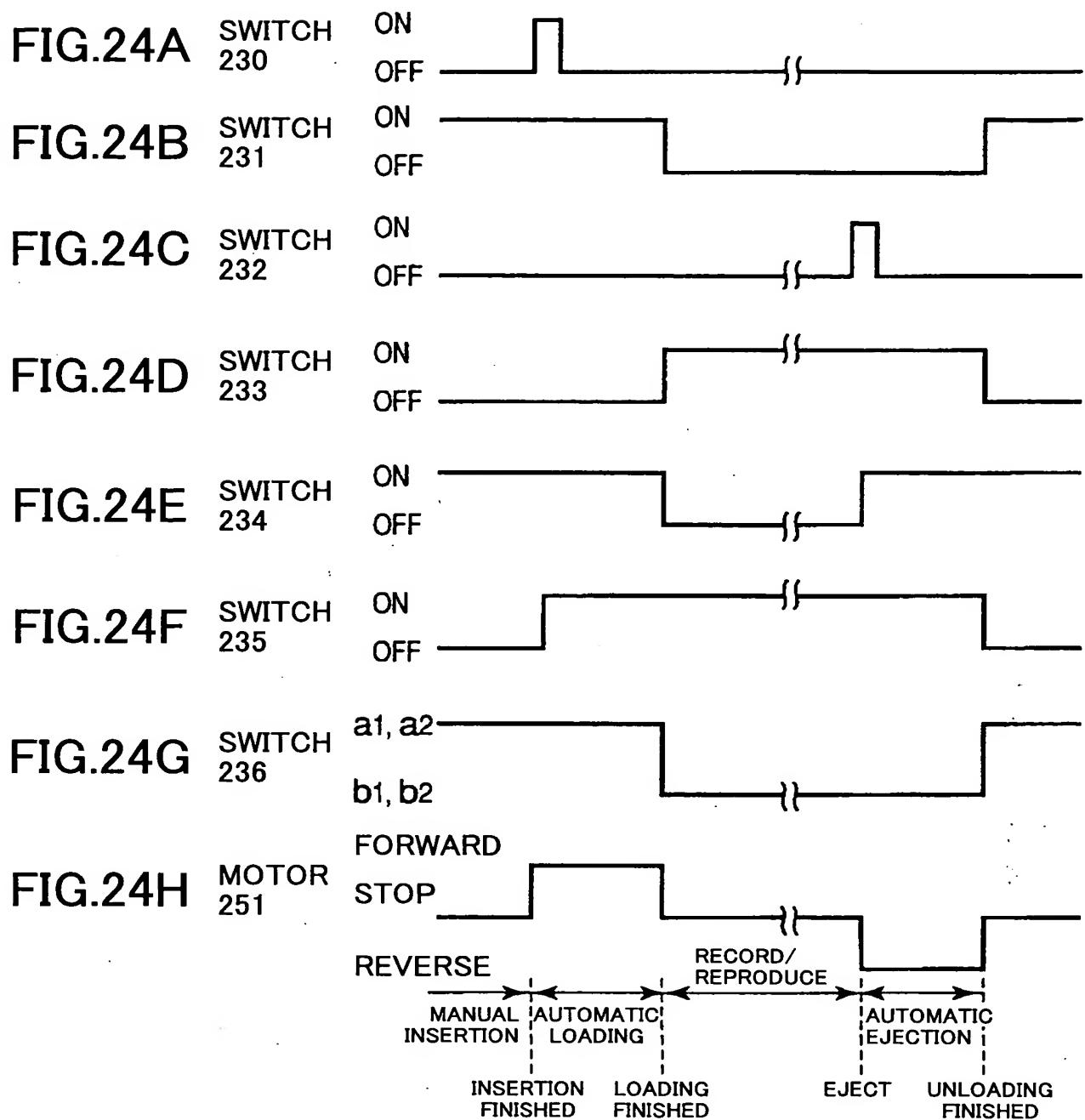
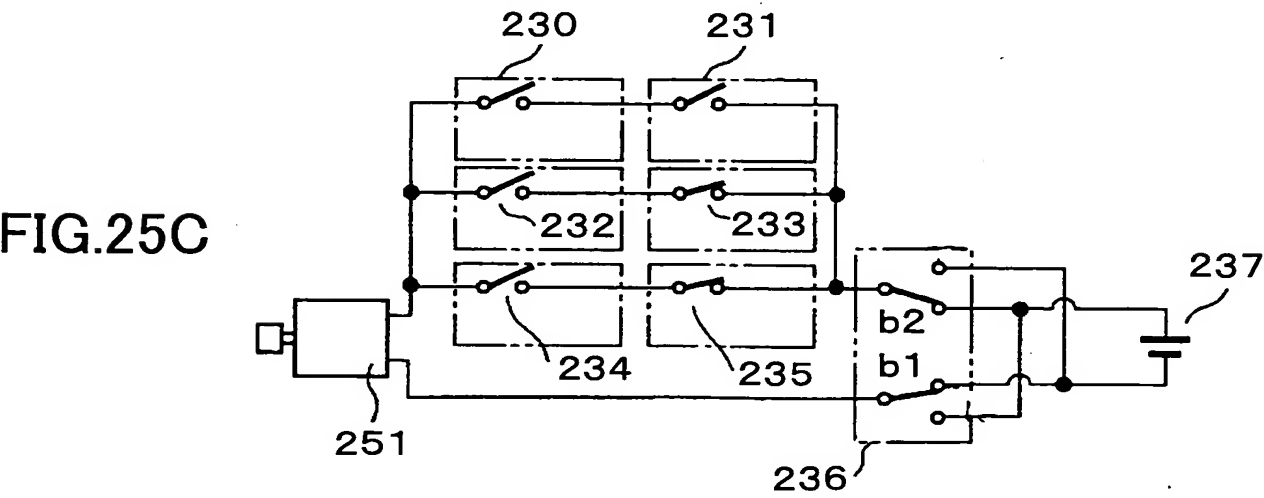
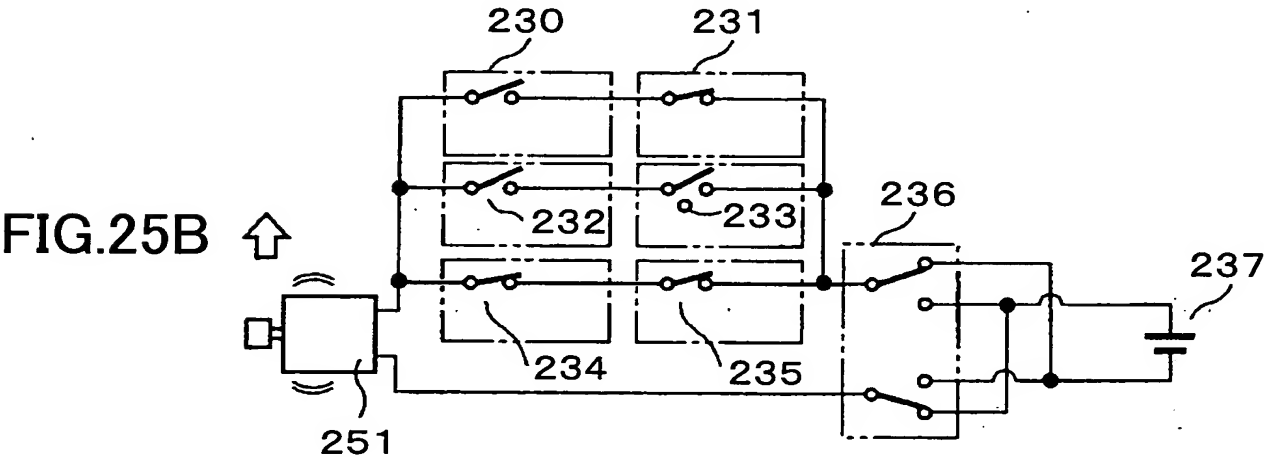
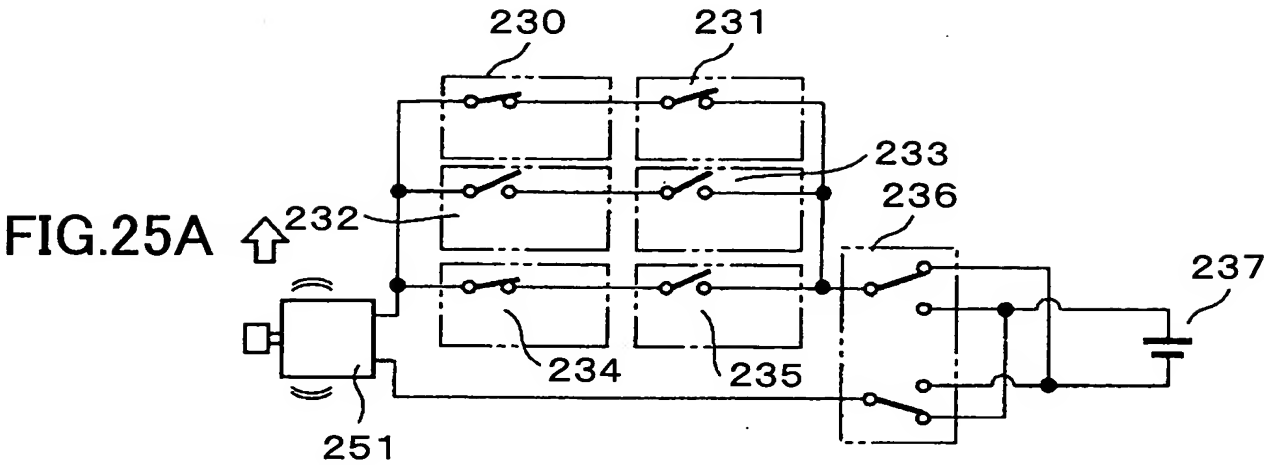


FIG.23B







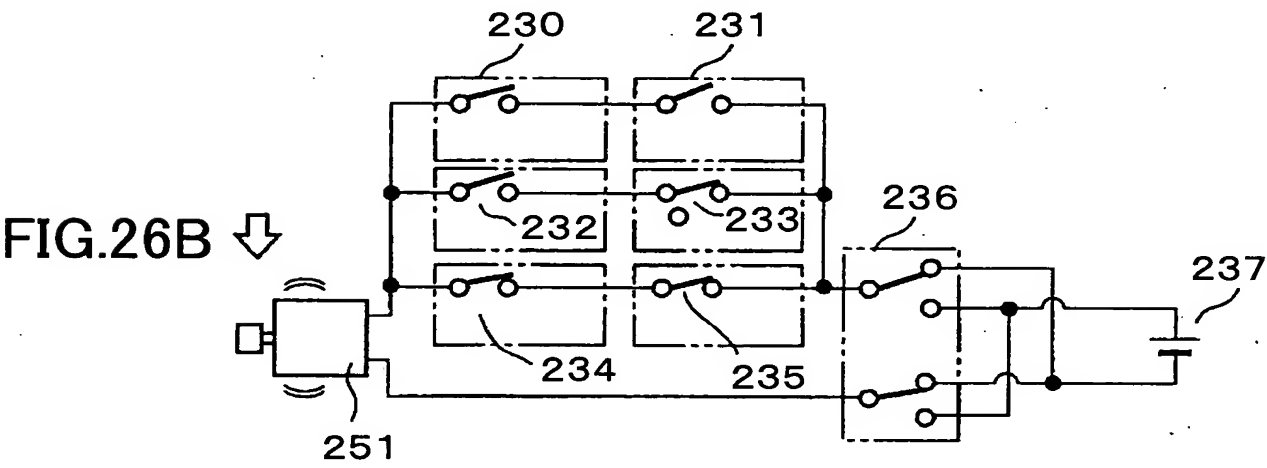
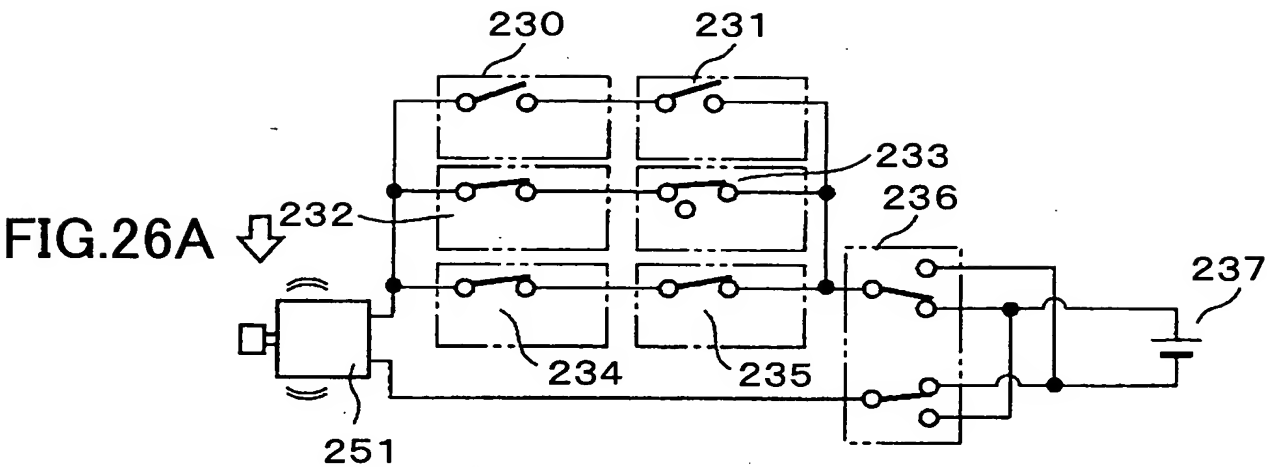


FIG.27A

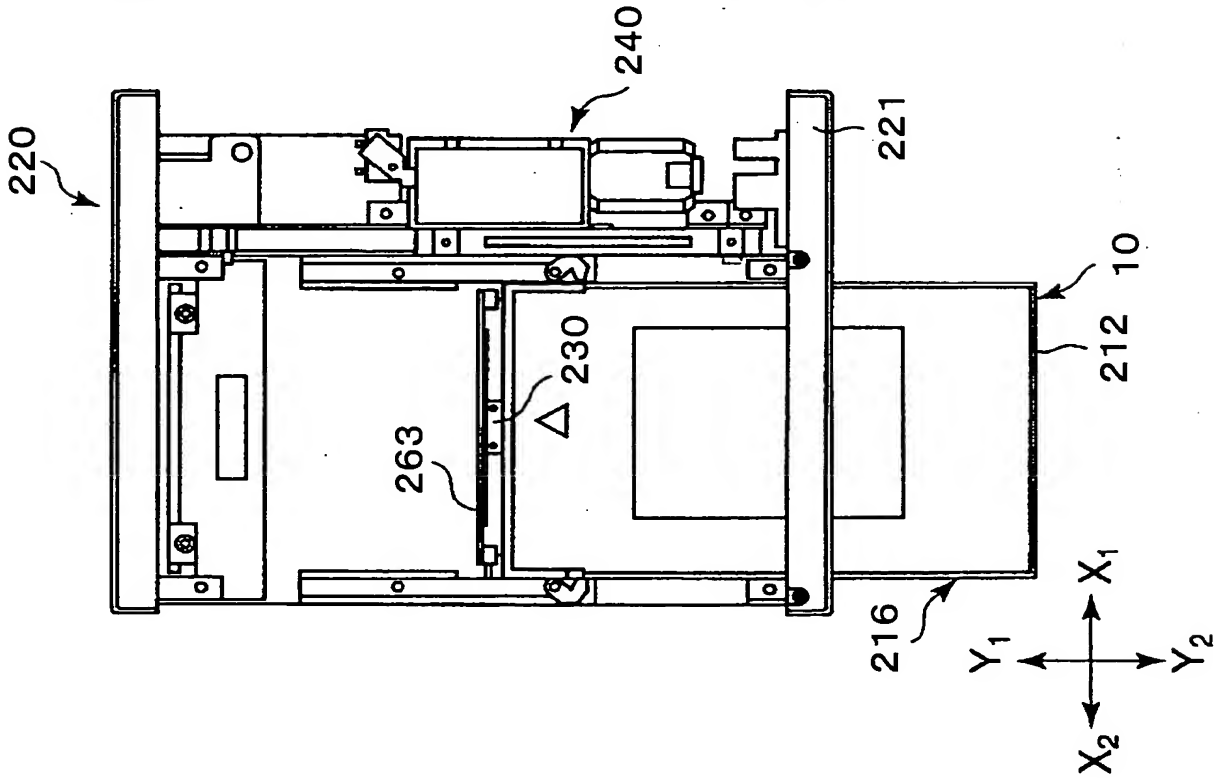


FIG.27B

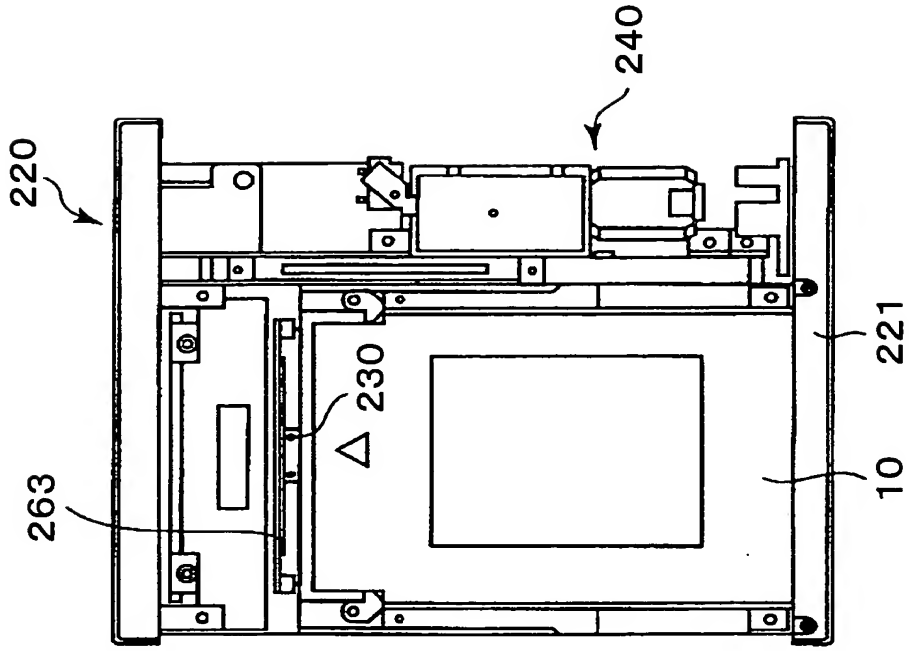


FIG.28A

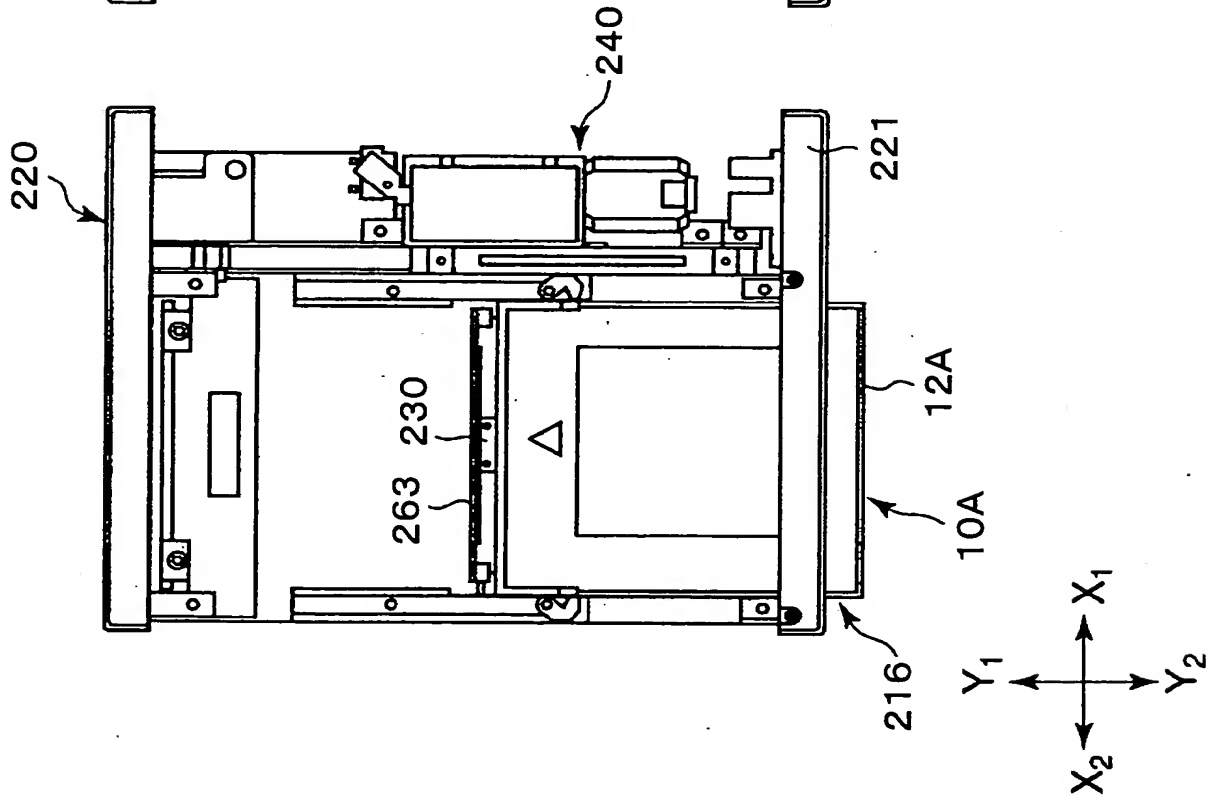


FIG.28B

